

```

1 AGGGTTGCCG CTAGTTTGAG GCCTGCCCGA TTACCCGCAA GACTTGGGCA
51 GCCCCGGGCG CCGCTCCGAC CACGACAGGG AAAGGAACTG ACCAACACTG
101 GATGAATTTG ACCATTTCTT AGGAGACTGG AATGTAAAGT TTCTATAAAT
151 GAATGAACCA GTTCTCTCTT GTTTGGAGCA ATGCTGAAAT TCCAAGAGGC
201 AGCTAGGTGT GTGAGTGGAT CAACAGCCAT TTCCACTTAT CCAAAGACCT
251 TGATTGCAAG AAGATACGTG CTTCAACAAA AACTTGGCAG TGGAAAGTTT
301 GGAAGTGTCT ATCTGGTTTC AGACAAGAAA GCCAAACGAG GAGAGGAATT
351 AAAGGTACTT AAGGAAATAT CTGTTGGAGA ACTAAATCCA AATGAAACTG
401 TACAGGCCAA TTTGGAAGCC CAACTCCTCT CCAAGCTGGA CCACCCAGCC
451 ATTGTCAAGT TCCATGCAAG TTTTGTGGAG CAAGATAATT TCTGCATTAT
501 CACGGAGTAC TGTGAGGGCC GAGATCTGGA CGATAAAATT CAGGAATATA
551 AACAAGCTGG AAAAATCTTT CCAGAAAATC AAATAATAGA ATGGTTTATC
601 CAGCTGCTGC TGGGAGTTGA CTACATGCAT GAGAGGAGGA TACTTCATCG
651 AGACTTAAAG TCAAAGAATG TATTTCTGAA AAATAATCTC CTTAAAATTG
701 GAGATTTTGG AGTTTCTCGA CTTCTAATGG GATCCTGTGA CCTGGCCACA
751 ACTTTAAGTGA GAACTCCCCA TTATATGAGT CCTGAGGCTC TGAAACACCA
801 AGGCTATGAC ACAAAGTCGG ACATCTGGTC ACTGGCATGC ATTTTGTATG
851 AGATGTGCTG CATGAATCAT GCATTGCTG GCTCCAATT CTTATCCATT
901 GTTTTAAAAA TTGTTGAAGG TGACACACCT TCTCTCCCTG AGAGATATCC
951 AAAAGAAGTAA AATGCCATCA TGGAAAGCAT GTTGAACAAG AATCCTTCAT
1001 TAAGACCATC TGCTATCGAA ATTTTAAAAA TCCCTTACCT TGATGAGCAG
1051 CTACAGAACC TAATGTGTAG ATATTAGAA ATGACTCTGG AAGACAAAAA
1101 TTTGGATTGT CAGAAGGAGG CTGCTCATAT AATTAATGCC ATGCAAAAAA
1151 GGATCCACCT GCAGACTCTG AGGGCACTGT CAGAAGTACA GAAAATGACG
1201 CCAAGAGAAA GGATGCGGCT GAGGAAGCTC CAGGCGGCTG ATGAGAAAGC
1251 CAGGAAGCTG AAAAAGATTG TGGAAGAAAA ATATGAAGAA AATAGCAAAC
1301 GAATGCAAGA ATTGAGATCT CGGAACCTTC AGCAGCTGAG TGTGTATGTA
1351 CTCCATGAAA AAACACATTT AAAAGGAATG GAAGAAAAGG AGGAGCAACC
1401 TGAGGGAAGA CTTTCTTGTG CACCCAGGAG CGAGGATGAA GAGAGGTGGC
1451 AAGGCAGGGA AGAGGAATCT GATGAACCAA CTTTAGAGAA CCTGCCTGAG
1501 TCTCAGCCTA TTCTTCCAT GGACCTCCAC GAACTTGAAT CAATTGTAGA
1551 GGATGCCACA TCTGACCTTG GATACCATGA GATCCCAGAA GACCCACTTG
1601 TGGCTGAAGA GACTACGCT GATGCATTG ATTCCTATTG TGTAAGAGAGT
1651 GATGAGGAGG AAGAAGAAAT AGCGTTAGAA AGACCAGAGA AAGAAATCAG
1701 GAATGAGGGA TCCCAGCCTG CTTACAGAAC AAACCAACAG GACAGTGATA
1751 TCGAAGCGTT GGCCAGGTGT TTGGAAAATG TCCTGGGTTG CACTTCTCTA
1801 GACACAAAGA CCATCACCAC CATGGCTGAA GACATGTCCC CAGGACCACC
1851 AATTTTCAAC AGTGTGATGG CCAGGACCAA GATGAAACGC ATGAGGGAAT
1901 CAGCCATGCA GAAGCTGGGG ACAGAAGTAT TTGAAGAGGT CTATAATTAC
1951 CTCAAGAGAG CAAGGCATCA GAATGCTAGC GAAGCAGAGA TCCGCGAGTG
2001 TTTGGAAAAA GTGGTGCCCTC AAGCCAGCGA CTGTTTGAAG GTGGACCAGC
2051 TCCTGTACTT TGAAGAGCAG TTGCTGATCA CGATGGGAAA AGAACCTACT
2101 CTCCAGAACC ATCTCTAGGC AACTATCAAA AAGAAGCAGA AGTTCAAGTG
2151 GACAAATTTA TGTGAAAATT CATTTAACAT ATAAGCTGAA CTCTATTATG
2201 GGAATGGATG ACAAAGCAG AGCTCCCATC TTGACTTTCA ATTCCTCATC
2251 AGAAGTACTG GCTTCTTTAG AGAGTAGTAA GCATGGCTGC CTATGCTTGG
2301 AGTCATAAGT GTTATTTGGA CTATACCCTG AGATAAGCTT ATAGATCAAG
2351 TTTGGCTCCC TTGAAAAGCA TTTCTCTCAT GTGCGCCCTC AGGGCTTCCA
2401 GCAGGATTGA GTACCCCTGA CGATGACCGG GGAGAAGCCG TGTGCTCTTC
2451 ATTATTTTCA GCTGGAGGAC AGAGCTCAGT GCCTGACTGC CTAGGGTCTC
2501 ATGGACTGTA GGCAGCCTGC CAGTGAAGGT CACTGGACTC TAGCCTACAA
2551 CATGCTGAGC TACAGCCCAG AAGCCAGACA TGCTGTCTT AGCTGACCTG
2601 TTTTGGTCTC ACTTTTGCCC TTCCATGACT AATAAGGAAG ATATGTGTGT
2651 ATTTCATACA CACACAAGGA CCTGGATTAA AAATCCAAAA AGTGATTCTC
2701 TTCTATGATT TATTTCAAAC TCATCCATAG ATAATTCAAG ATTTGTATTC
2751 AAAATAAACA TAGTTTTTAC AGTTACAAAA TAAAAAATAA ATTTTATCTT
2801 TAAAAAATAA AAAAAAATAA AAAAAAATAA AAAAAAATAA AAAAAAATAA
2851 AAAAAAATAA AAAAAAATAA

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FIGURE 1, page 1 of 2

FEATURES:

5'UTR: 1 - 180
Start Codon: 181
Stop Codon: 2116
3'UTR: 2119

Homologous proteins:

Top 10 BLAST Hits

	Score	E
gi 10440202 dbj BAB15672.1 (AK027148) unnamed protein product ...	940	0.0
gi 4507277 ref NP_003148.1 serine/threonine kinase 2; Serine/t...	232	1e-59
gi 7522642 pir JC7122 serine (threonine) protein kinase (EC 2....	226	1e-57
gi 6754822 ref NP_035979.1 NIMA-related expressed kinase 4 [Mu...	226	1e-57
gi 2570047 emb CAA70436.1 (Y09234) MSTK2S kinase-like protein ...	226	1e-57
gi 1709251 sp P51954 NEK1_MOUSE SERINE/THREONINE-PROTEIN KINASE...	225	2e-57
gi 9297022 sp Q9R0A5 NEK3_MOUSE SERINE/THREONINE-PROTEIN KINASE...	220	4e-56
gi 6754820 ref NP_035978.1 NIMA-related expressed kinase 3 [Mu...	218	2e-55
gi 1709253 sp P51956 NEK3_HUMAN SERINE/THREONINE-PROTEIN KINASE...	206	1e-51
gi 9294413 dbj BAB02494.1 (AB025629) kinase-like protein [Arab...	203	6e-51

BLAST to dbEST:

	Score	E
gi 9334037 /dataset=dbest /taxon=960...	1132	0.0
gi 1471842 /dataset=dbest /taxon=9606 ...	831	0.0
gi 1690632 /dataset=dbest /taxon=9606 ...	749	0.0
gi 2017477 /dataset=dbest /taxon=9606 ...	385	e-104
gi 2070694 /dataset=dbest /taxon=9606 ...	351	4e-94
gi 10194753 /dataset=dbest /taxon=960...	337	5e-90

EXPRESSION INFORMATION FOR MODULATORY USE:

library source:

Expression information from BLAST dbEST hits:

gi|9334037 Uterus
gi|1471842 Fetal heart
gi|1690632 Colon
gi|2017477 Pineal gland
gi|2070694 Testis
gi|10194753 Nervous_tumor

Expression information from PCR-based tissue screening panels:

Human Brain
Human fetal brain
Human heart
Human Kidney
Human uterus
Human placenta
Human small intestine
Human testis
Human skeletal muscle

1 MLKFQEAARC VSGSTAISTY PKTLIARRYV LQQKLGSGSF GTVYLVSDKK
 51 AKRGEEKVL KEISVGELNP NETVQANLEA QLLSKLDHPA IVKFHASFVE
 101 QDNFCIITEY CEGRDLDKI QEYKQAGKIF PENQIIEWFI QLLLGVDYMH
 151 ERRILHRDLK SKNVFLKNNL LKIGDFGVSRL LMGSCDLAT TLTGTPHYMS
 201 PEALKHQGYD TKSDIWSLAC ILYEMCCMNH AFAGSNFLSI VLKIVEGDTP
 251 SLPERYPKEL NAIMESMLNK NPSLRPSAIE ILKIPYLDEQ LQNLMCRYSE
 301 MTLEDKNLDC QKEAAHIINA MQKRIHLQTL RALSEVQKMT PRERMRLRKL
 351 QAADEKARKL KKIVEEKYEE NSKRMQELRS RNFQQLSVDV LHEKTHLKGM
 401 EEKEEQPEGR LSCSPQDEDE ERWQGREEES DEPTLENLPE SQPIPSMDLH
 451 ELESIVEDAT SDLGHEIPE DPLVAEEYYA DAFDSYCVES DEEEEEIALE
 501 RPEKEIRNEG SQPAYRTNQQ DSDIEALARC LENVLGCTSL DTKTITMAE
 551 DMSPGPPIFN SVMARTKMKR MRESAMQKLG TEVFEEVYNY LKRARHQNAS
 601 EAEIRECLEK VVPQASDCFE VDQLLYFEEQ LLITMGKEPT LQNHL

FEATURES:

Functional domains and key regions:

[1] PDOC00001 PS00001 ASN_GLYCOSYLATION

N-glycosylation site

Number of matches: 2

1 71-74 NETV
 2 598-601 NASE

[2] PDOC00005 PS00005 PKC_PHOSPHO_SITE

Protein kinase C phosphorylation site

Number of matches: 5

1 47-49 SDK
 2 273-275 SLR
 3 329-331 TLR
 4 340-342 TPR
 5 372-374 SKR

[3] PDOC00006 PS00006 CK2_PHOSPHO_SITE

Casein kinase II phosphorylation site

Number of matches: 15

1 64-67 SVGE
 2 84-87 SKLD
 3 97-100 SFVE
 4 211-214 TKSD
 5 251-254 SLPE
 6 277-280 SAIE
 7 302-305 TLED
 8 340-343 TPPE
 9 414-417 SPQD
 10 454-457 SIVE
 11 490-493 SDEE
 12 522-525 SDIE
 13 538-541 TSLD
 14 547-550 TMAE
 15 600-603 SEAE

[4] PDOC00007 PS00007 TYR_PHOSPHO_SITE

Tyrosine kinase phosphorylation site

361-368 KKIVEEKY

[5] PDOC00008 PS00008 MYRISTYL

N-myristoylation site

Number of matches: 2

1 38-43 GSFGTV
 2 510-515 GSQPAY

 [6] PDOC00299 PS00342 MICROBODIES_CTER
 Microbodies C-terminal targeting signal

 643-645 NHL

 [7] PDOC00100 PS00108 PROTEIN_KINASE_ST
 Serine/Threonine protein kinases active-site signature

 154-166 ILHRDLKSKNVFL

Membrane spanning structure and domains:

Helix	Begin	End	Score	Certainty
1	231	251	0.781	Putative

BLAST Alignment to Top Hit:

>gi|10440202|dbj|BAB15672.1| (AK027148) unnamed protein product [Homo sapiens]
Length = 463

Score = 940 bits (2404), Expect = 0.0
Identities = 463/463 (100%), Positives = 463/463 (100%)
Frame = +1

Query: 727 MGSCDLATTLTGTTPHYMSPEALKHQGYDTKSDIWSLACILYEMCCMNHAFAGSNFLSIVL 906
MGSCDLATTLTGTTPHYMSPEALKHQGYDTKSDIWSLACILYEMCCMNHAFAGSNFLSIVL
Sbjct: 1 MGSCDLATTLTGTTPHYMSPEALKHQGYDTKSDIWSLACILYEMCCMNHAFAGSNFLSIVL 60

Query: 907 KIVEGDTPSLPERYPKELNAIMESMLNKNPSLRPSAIEILKIPYLDEQLQNLMCRYSEMT 1086
KIVEGDTPSLPERYPKELNAIMESMLNKNPSLRPSAIEILKIPYLDEQLQNLMCRYSEMT
Sbjct: 61 KIVEGDTPSLPERYPKELNAIMESMLNKNPSLRPSAIEILKIPYLDEQLQNLMCRYSEMT 120

Query: 1087 LEDKNLDCQKEAAHIINAMQKRIHLQTLRALSEVQKMTPRERMRLRKLQAADEKARKLKK 1266
LEDKNLDCQKEAAHIINAMQKRIHLQTLRALSEVQKMTPRERMRLRKLQAADEKARKLKK
Sbjct: 121 LEDKNLDCQKEAAHIINAMQKRIHLQTLRALSEVQKMTPRERMRLRKLQAADEKARKLKK 180

Query: 1267 IVEEKYEENSKRMQELRSRNFQQLSVDVLHEKTHLKGMEKEEQPEGRSLSCSPQDEDEER 1446
IVEEKYEENSKRMQELRSRNFQQLSVDVLHEKTHLKGMEKEEQPEGRSLSCSPQDEDEER
Sbjct: 181 IVEEKYEENSKRMQELRSRNFQQLSVDVLHEKTHLKGMEKEEQPEGRSLSCSPQDEDEER 240

Query: 1447 WQGREEESDEPTLENLPESQPIPSMDLHELESIVEDATSDLGYEIPEDPLVAEEYYADA 1626
WQGREEESDEPTLENLPESQPIPSMDLHELESIVEDATSDLGYEIPEDPLVAEEYYADA
Sbjct: 241 WQGREEESDEPTLENLPESQPIPSMDLHELESIVEDATSDLGYEIPEDPLVAEEYYADA 300

Query: 1627 FDSYCVESDEEEEEIALERPEKEIRNEGSQPAYRTNQQDSIEALARCLENVLGCTSLDT 1806
FDSYCVESDEEEEEIALERPEKEIRNEGSQPAYRTNQQDSIEALARCLENVLGCTSLDT
Sbjct: 301 FDSYCVESDEEEEEIALERPEKEIRNEGSQPAYRTNQQDSIEALARCLENVLGCTSLDT 360

Query: 1807 KTITTTAEDMSPGPPIFNSVMARTKMKRMRESAMQKLGTEVFEEVYNLYKRARHQNSEA 1986
KTITTTAEDMSPGPPIFNSVMARTKMKRMRESAMQKLGTEVFEEVYNLYKRARHQNSEA
Sbjct: 361 KTITTTAEDMSPGPPIFNSVMARTKMKRMRESAMQKLGTEVFEEVYNLYKRARHQNSEA 420

Query: 1987 EIRECLEKVVPQASDCFEVDQLLYFEEQLLITMGKEPTLQNLH 2115
EIRECLEKVVPQASDCFEVDQLLYFEEQLLITMGKEPTLQNLH
Sbjct: 421 EIRECLEKVVPQASDCFEVDQLLYFEEQLLITMGKEPTLQNLH 463

>gi|4507277|ref|NP_003148.1| serine/threonine kinase 2;
Serine/threonine protein kinase-2 [Homo sapiens]
>gi|1709347|sp|P51957|STK2_HUMAN SERINE/THREONINE-PROTEIN
KINASE NRK2 (SERINE/THREONINE KINASE 2)
>gi|7427997|pir||I78885 serine/threonine-specific protein
kinase (EC 2.7.1.-) STK2 - human
>gi|348245|gb|AAA36658.1| (L20321) protein
serine/threonine kinase [Homo sapiens]
Length = 841

Score = 232 bits (586), Expect = 1e-59
Identities = 114/263 (43%), Positives = 174/263 (65%), Gaps = 2/263 (0%)
Frame = +1

Query: 265 YVLQQKLGSGSFGTVYLVSDKKAKRGEELKVLKEISVGELNPNETVQANLEAQLLSKLDH 444
Y + +G GS+G V LV K +R + V+K+++ + E A EAQLLS+L H
Sbjct: 6 YCYLRVVGKGSYGEVTLV---KHRRDGKQYVIKKLNLNRNASSRERRAAEQEAQLLSQLKH 62

Query: 445 PAIVKFHASFVEQDNFC-IITEYCEGRDLDDKIQEYKQACKIFPENQIIEWFIQLLLGVD 621
P IV + S+ D I+ +CEG DL K++E K G++ PENQ++EWF+Q+ + +
Sbjct: 63 PNIVTYKESWEGGDGLLYIVMGFCEGGDLRYKLKEQK--GQLLPENQVVEWVQIAMALQ 120

Query: 622 YMHERRILHRDLKSKNVFL-KNNLLKIGDFGVSRLMGSCDLATTLTGTPHYMSPEALKH 798
 Y+HE+ ILHRDLK++NVFL + N++K+GD G++R+L CD+A+TL GTP+YMSPE +
 Sbjct: 121 YLHEKHILHRDLKTQNVFLTRTNIIVKVDLGIARVLENHCDMASTLIGTPYYMSPELFSN 180

Query: 799 QGYDTKSDIWSLACILYEMCCMNHAFAGSNFLSIVLKIVEGDTPSLPERYPKELNAIMES 978
 + Y+ KSD+W+L C +YEM + HAF + S+V +I+EG P++P Y EL ++ +
 Sbjct: 181 KPYNYKSDVWALGCCVYEMATLKHAFAKDMNSLVYRIIEGKLPAMPRDYSPELAELIRT 240

Query: 979 MLNKNPSLRPSAIEILKIPYLDEQL 1053
 ML+K P RPS IL+ PY+ Q+
 Sbjct: 241 MLSKRPEERPSVRSILRQPYIKRQI 265

>gi|7522642|pir||JC7122 serine (threonine) protein kinase (EC
 2.7.1.37) 2 - mouse >gi|4138209|emb|CAA11072.1|
 (AJ223071) serine/threonine kinase protein
 MSTK2L, long-form [Mus musculus]
 Length = 792

Score = 226 bits (569), Expect = 1e-57
 Identities = 135/405 (33%), Positives = 227/405 (55%), Gaps = 21/405 (5%)
 Frame = +1

Query: 265 YVLQQKLGSGSFGTVYLVSDKKAKRGEELKVLKEISVGELNPNETVQANLEAQLLSKLDH 444
 Y + +G GS+G V LV K +R + V+K++++ + E A EAQLLS+L H
 Sbjct: 6 YCYMRVVGGRSGSYGEVTLV---KHRRDGKQYVIKKLNLNRNASSRERRAAEQEAQLLSQLKH 62

Query: 445 PAIVKFHASFVEQDNFC-IITEYCEGRDLDDKIQEYKQAGKIFPENQIIEWFIQLLLGVD 621
 P IV + S+ D I+ +CEG DL K++E K G++ PE+Q++EWF+Q+ + +
 Sbjct: 63 PNIVTYKESWEGGDGLLYIVMGFCEGGDLRYKLKEQK--GQLLPESQVVEWFVQIAMALQ 120

Query: 622 YMHERRILHRDLKSKNVFL-KNNLLKIGDFGVSRLMGSCDLATTLTGTPHYMSPEALKH 798
 Y+HE+ ILHRDLK++NVFL + N++K+GD G++R+L D+A+TL GTP+YMSPE +
 Sbjct: 121 YLHEKHILHRDLKTQNVFLTRTNIIVKVDLGIARVLENHGDMASTLIGTPYYMSPELFSN 180

Query: 799 QGYDTKSDIWSLACILYEMCCMNHAFAGSNFLSIVLKIVEGDTPSLPERYPKELNAIMES 978
 + Y+ KSD+W+L C +YEM + HAF + S+V +I+EG P +P+ Y EL ++ +
 Sbjct: 181 KPYNYKSDVWALGCCVYEMATLKHAFAKDMNSLVYRIIEGKLPMPKVYSTELAEELIRT 240

Query: 979 MLNKNPSLRPSAIEILKIPYLDEQLQNLNLCRYSEMTELEDKNLDCQKEAAHINAMQKRIH 1158
 ML++ P RPS IL+ PY+ + + T ++ +C A + + ++
 Sbjct: 241 MLSRRPEERPSVRSILRQPYIKHHISLFLEATKAKTSKNNVKNCDRAKPVAAVVSREE 300

Query: 1159 LQTLRALSEVQKMTPRERMRLRKLQAADEKARKLKKIVE-----EKYEENSKRMQELRS 1320
 T +V PR ++K +K V+ E Q++ +
 Sbjct: 301 SNT-----DVIHYQPRSEGSALHVMGEDKCLSQEKPVDIGPLRSPASLEGHTGKQDMNN 355

Query: 1321 -----RNFQQLSVDVL--HEKTHLKGMEKEEQPEGRILSCSPQD-----EDEERWQGRE 1461
 ++++D+L + +E QP+ + D ++ER QG
 Sbjct: 356 TGESCATISRINIDILPAERRDSANAGVVQESQPQHVDAADEVDSQCSISQEKERLQGN 415

Query: 1462 EESDEP 1479
 + SD+P
 Sbjct: 416 KSSDQP 421

Hammer search results (Pfam):

Model	Description	Score	E-value	N
PF00069	Eukaryotic protein kinase domain	290.0	3e-83	1
CE00022	CE00022 MAGUK_subfamily_d	25.8	1.6e-07	1
CE00359	E00359 bone_morphogenetic_protein_receptor	20.7	3.7e-05	1
CE00031	CE00031 VEGFR	17.6	2.1e-05	1

CE00203	CE00203	ERBB_RECEPTOR	16.1	0.0004	2
CE00220	E00220	ACTIVIN_RECEPTOR	8.3	0.082	1
CE00334	E00334	urotrophin_receptor	3.4	0.48	2
CE00204	CE00204	FIBROBLAST_GROWTH_RECEPTOR	1.9	6.1	1
CE00549	CE00549	NGFR	0.7	6.7	1
CE00292	CE00292	PTK_membrane_span	-7.9	1e-08	1
CE00287	CE00287	PTK_Eph_orphan_receptor	-16.2	3.4e-07	1
CE00286	E00286	PTK_EGF_receptor	-65.6	4e-07	1
CE00291	CE00291	PTK_fgf_receptor	-67.6	7.7e-05	1
CE00290	CE00290	PTK_Trk_family	-73.1	1.7e-10	1
CE00288	CE00288	PTK_Insulin_receptor	-203.0	0.0037	1
CE00016	CE00016	GSK_glycogen_synthase_kinase	-232.8	0.00088	1

Parsed for domains:

Model	Domain	seq-f	seq-t	hmm-f	hmm-t	score	E-value
CE00203	1/2	35	44 ..	746	755 ..	-2.5	60
CE00334	1/2	77	117 ..	588	628 ..	0.2	4.7
CE00220	1/1	154	170 ..	340	356 ..	8.3	0.082
CE00549	1/1	156	180 ..	706	731 ..	0.7	6.7
CE00334	2/2	156	180 ..	679	704 ..	3.2	0.57
CE00203	2/2	138	182 ..	845	890 ..	15.9	0.00046
CE00359	1/1	154	204 ..	272	327 ..	20.7	3.7e-05
CE00022	1/1	141	217 ..	129	211 ..	25.8	1.6e-07
CE00204	1/1	199	217 ..	706	724 ..	1.9	6.1
CE00031	1/1	134	225 ..	1047	1141 ..	17.6	2.1e-05
CE00291	1/1	29	282 ..	1	285 []	-67.6	7.7e-05
CE00290	1/1	30	285 ..	1	282 []	-73.1	1.7e-10
CE00287	1/1	29	285 ..	1	260 []	-16.2	3.4e-07
CE00292	1/1	29	285 ..	1	288 []	-7.9	1e-08
CE00286	1/1	29	286 ..	1	263 []	-65.6	4e-07
CE00288	1/1	29	287 ..	1	269 []	-203.0	0.0037
PF00069	1/1	29	287 ..	1	278 []	290.0	3e-83
CE00016	1/1	3	350 ..	1	433 []	-232.8	0.00088

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1 GCTAAAGAGG GCTGGGACGT ACGTTCCGAA ATGGCTGCTG TCAGGCTAGG
51 AAAGCTTGCG CCGCCGGTCC TCCTCTGCTT TCTCCGCCTA CTTGGGTCCG
101 CGAACACTTC CGCCTTGGTG CGCCTCGCC CCGACTTCCC AGTATGCCCC
151 GCGCCGTCTC CCTGGCCACG GTTCCAAACA GCCGTGGCCC GCGGTGTCTG
201 GCGCTCGGTG GGTGTGGTTG CCCCTAGTTT GAGGCCTGCC CGATTACCCG
251 CAAGACTTGG GCAGCCCCGG GCGCCGCTCC GACCACGACA GGGAAAGGTA
301 AAGCGAACTG TGCTCCTTGG GGCTAGCCAG GCTCCCCTGC GAGGGGGAAG
351 GTAATGGTTT CAAGCTGCCC GGGCTGGGTT CCGAATCTCT AGGACGCCAT
401 GGCTGCATC TCCTCGCTTT CCTGGACGTC TTACCTCCGG ATGTACTCCA
451 GTCTCAGTGC CCCTCAATAA ACGTTAACCT GCTTTGCCAA AATGTAAATG
501 TTTAAAAAGG TGAAGAAGCA AGGAATTGTT CGTTTTACCT TAAGGTTAAG
551 ATTTACTTTA AAGGTAGATT TGTGCTGTAG CAGAACTGG TGACAAATTG
601 CCTTCCTCTT ATTACCTGGG AAGATAACTA CTGGTTTTCA ACTTGTGATA
651 AATACTCCTT CCGTTGTCTT TTGCCCCCAG CCAGATCTGT TTCACCGAGA
701 AGGGGTAGTT TGCACAAGGT AGTAACTTTC TCCAAGTTCC CATCTAGCTT
751 TCTTAAGTAA CCTTTTTTCT CTCCTTTGGG CGGCAGTTGA TCTGCTGGAC
801 ACTTACTTGC CTTAACAAGG TTTGTTAAAC ACCTAGTATA TGCCAGGAGG
851 TATGCCAGGG ATTGGGGATG CAGAAATAAA GAAGATGTGT TCGCAGTGCC
901 CAAGTTCACT CAAACCTCGA GGGGGAGCGT GTTGTCAAGT GAACAGATAG
951 TTCTAGAATC TAGACAATGC GACACATTCT TGGGTAGGTT TATGGTTGCG
1001 CAGAGGAGAC TAATGGAATG GATGACCTAA AAGTGGACTG GGATGGGGGT
1051 GGCAGGGCTG AGTCTGTGAG GGTGGGCGGG AGGGAACCTA GTCCCAGAGT
1101 CTTCTGCAGC CTGGACCAGA CTACTTAAGC ACTGCTGGGT TTAGACTGTC
1151 CTTTAAAATA AGAGCCGCTA GAAGTGAAGT TCTCATCTCTG TCCGTCCCTA
1201 ATTCTGTCTT TCTCTAAAAG GAACCTTAAT CTCATCTTTA AAATAAGGAG
1251 AATTACTGAG TGACCTGAAG GACCCTTTTC AGCTGGAAAG TCTGTAAGTC
1301 CATATATTTA TTTGAACAGC TTAGTATGGC CAGACGGCAT CACTTTTATG
1351 ACAGTGAAGG GGAAGTAAAA ACAAAAGGTA TATTTAGAGG CCTGCTCTCT
1401 AGTTGTTTTT CCAGCAGATT TTAATAACGT GTCTTTGGAA GGGAAAAGAA
1451 AAAGCTGGTA ACTAATCTCA CTGGTATTAG GTACAACCTA ACTGATTCAT
1501 ACATTTTAAG AAGGAAAATG TTGTAAATGG GCATTTACTT ATGTTCTGTT
1551 TTGAGGATTT TTGTGGTTAA TTGCCCTAGT AGTTTTTGTG GTTGACGGAC
1601 ACCACCACGT AAAGCCCATT GACCATCCTT AAAAAGTAGG TTTTGTCTC
1651 ATAGCTTTGG AATTGTTGAA TATGAAAACC TAACCTCAAG GTGTAGGCAG
1701 TTTTCAATTT AAAATGTTAT TTCTATATAG ATTTAAAACA AAAGCACACT
1751 TTTCTTGATA ACTAACAAAA CATTTAACAT TCTGATGAAA TAAAAGTGAT
1801 TTTACTTTGT ACCTACTCAT ATGAAACAGT CCTGCCTTTC TTTTTTTTGT
1851 TTTTGTTTTT GTTTTTGTTT TTGTTGAGAT GGAGTCTTAC TCTGTCGCCC
1901 AGGCTGGAGT GCAGTGGCGA GATCTCACTG CAAGCTCCGC CTCCTGGGTT
1951 CACGCTATTC TCCTGCCTCA GCCTCCCGAG TAGCTGGGAC TGCAGGCGCC
2001 CGCTACAATG CCCGGCTAAT TTTTTTGTAT TAGACGGGGT TTCACCGTGT
2051 TAGCCAGGAT GGTCTCGATC TCCTGACCTC GTGATCCGCC CGCCTTGGCC
2101 TCCCAAAGTG CTGGTACTAC AGGCGTGAGC CACTGCGCCC GGCCTAAACA
2151 GTCCTGCCTT TCATAACTGC CACGTCTCAT AGCTCCCTGA GGAATTACAG
2201 ATTTATCTGT AGCATTTATA TTCCACTGAC ATTAAGTGGG ATTTTAGGTT
2251 TGAATTGAAT TTGTAACCTT TCCTGTTTTT AATCCAGAGA GATTATACAC
2301 AATGTGTACA ATAGGAAGTT CAGAACTAG AATTGCTGA GCATGGGAAA
2351 AAATTCTCAA TCCTTATCCT TCTTTGCATC TGTCTTAATA AATACAAAAA
2401 CTGTGGTTTA ACATCTACAG AAAAAAATAA ATCTAAAGGA AACAGCACCT
2451 GCTAATTCCT TGTTTTAATCC TAACTCACTC TTTGTAAACC AAAGTAAATA
2501 TAAGGTGAGA AGAGGGCATT ACAAAAAGGT TGATGCAGAT GTATAGATTT
2551 AAGGAGGTGA TAATGTTCTT GTATTTGGAT TCTTTTATAA GTAGTTGGGG
2601 AGTATAAATC TTAAATAAAT GAAGAGATTG CTCATTGTAA AACAGATGTA
2651 CATCCAGAAA ATTTGTGGAA AGTTGGCTAT AATTCACCTC TGCCAAATTT
2701 CAATGTACAA AGGGAGGCTC TTCCTGTGAA AGATTGCCTT CTGGAATTTG
2751 TGGTATCTCT ACCTTTTAAC ATTTTTTTTC AAGTTGTTAA CCAATATGGT
2801 GTCAGTCTGC TGATCAAGGT GCAGATATCA CTGCACTTAA CACTTTTTGT
2851 TAGACATCGT TTAGCAACCT TTAGACCTGA TCTTTTAACT TTTTATCTTT
2901 AAGGAAGTGA CCAACACTGG ATGAATTTGA CCATTTCTTA GGAGACTGGA
2951 ATGTTAAGTT TCTATAAATG AATGAACCAG TTCTCTCTTG TTTGGAGCAA
3001 TGCTGAAATT CCAAGAGGCA GCTAAGTGTG TGAGTGGATC AACAGCCATT
3051 TCCACTTATC CAAAGACCTT GATTGCAAGA AGATACGTGC TTCAACAAAA
3101 ACTTGGCAGT GGAAGTTTTG GAACTGTCTA TCTGGTTTCA GACAAGAAAG

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3151 CCAAACGAGG AGAGGAATTG TAAGTAAAAG TGCTTCCTAT GAATCTTGAG
3201 TAGGCTGCTT TTTGTTTGCA GGTCTTAGCT GATTAGGAAC ATGGAGCAGG
3251 CCAGGTATGG TGGCTCATGC CTGTAATCCC AGCACTGTGG GTGGCCAAGG
3301 TTGGCAGATC ACTTGAGGCG AGGAGTTCAA GACCAGCCTG GCCAACATGG
3351 CAAAACCCCTG TCTCTACTAA AAATACAAAA ATTAGCCAGG CAGGGTGGTA
3401 CATGCCTGTG ATCTCAGCTA CTTGGAGGTT GAGGCACAAG AATTGCTTAA
3451 ACCCAGGAGG TGGAGGTTGC AGTGAGCCGA GATCATGCCA CTGCCCTCCA
3501 GCCTGGGCAA CAGAGCAAGA CTGACAAAAA AAAAAAAGA ACATGGAGTA
3551 ATGTCCACTT TGCTCTTTAT ACCAAAGCAA GTATTTTATA AATATAGGTA
3601 AGCTCCCTAA TTAATCTTTC ATATTAGGTT TAAAGGCATT TCAGCAGGTG
3651 AATAAAGTAT CCAATGACC TAAAGAAGG AGCTAGAAAT GGGATAGATT
3701 ATGTGAAAAT AAGATGTTTG GGCATGCCAC AGTCTCAGTG ACAATATTAC
3751 TTCCACTTAA CTTGATTGGA ACTTCTTGAA TGAGAAAATA AGAATTGTTC
3801 ATAATGACTA TTTTGTAGAA TGTTACAAAA TGCAATAAAA CAATTATTCA
3851 CATTTGAGAT GAATAGGGTA TACCAAAGAA AGTAACAGTA TTAATTTTCT
3901 TTGGGCTTTC CATGGCGAGG ATTTTCAAAT TCCGTAGTCA GAAAGCTGTC
3951 AGATTAAACA CTTAAACCAA ATGGACACTC CTATTTAAAA TTAGCTTATG
4001 TTAATGACCC CTTGTGACC TCGTCTCTTT TGATTATGAT CGGACCCTCT
4051 ACACTTTCAT AGTAGAGAAA AACTCTTAAT AGCTTCAGAC AGTACCTCCC
4101 TTACAGATAA ACCTCTAGTT TTTGTGTAAG GTTTTTTTAA TTTGCTGCAG
4151 TGGAAAGTAA GTTGGAACTG AAGTTAGGGT AAGAAACTTG CCTATCAGAA
4201 ACACAGGAGG AACAGAAAGC AGAAGGAAGA ATGATCCAAG ATATCAGCCC
4251 TTAACCCAG AAGACCACAT TTTTCATCCA TAATATATTG TTTTCTCTA
4301 AGGTTTTAAG GCTACTCTAA GTTCTTCCAG CTTTTGCCTA TTGGATATTT
4351 AAGAGTGGAT TTAATCAG TGTTGATAAAC ACTTTTCTAC ATCTTCATAG
4401 GTCATAGGAA TTGTAAAGGT AAATGTTAGT GATGTTACTA CTTTGTTTTA
4451 AAACCAATC TTTTAAATGG TCTCTGTCCA GAATTTTAA AAGCTGTAAT
4501 TATCTAGAAT TTATAGTTT TAGTCAATTT CTACATGAGG GATGATAAAA
4551 GAGCTGGCAT TTTTCTGATG TCCTTAGAAG ATGCATTATG ATTCTGCTG
4601 AAAAAGATT TTTCTCTTA ATCCTAGAGG TGCTCTCTA GCCATTTAGA
4651 ATAGAATGAT AAATTTCTGA CAATTATTAG ATAACCTTTA TGGAAACATT
4701 GAGAGTAAGA CCTAAACCAG ACCCAGTACT TCTAAAAACT AACTGTAGG
4751 ATCATATCCA ATTTTGGTTT CTTCAACTAA TGAGGAATAT GAAAAATTTT
4801 AAGATAATTC ACAGGAGGAC TAAAAAGTTA ATTAAAGGA TGTAAAATAA
4851 GATGTATGAA GATCAAACTT GAAACCTTTA GACTTAAGAT AATAAGTGAG
4901 TGGAGAGAGT GTGTTGTAG TCAGCGGGGA AGAGAGAGAG AAAGAGAATG
4951 AGAGAGAAGA AAGGGGGCTG GGGCTGGTTG GTTGGCAAGT GATTGTGTAG
5001 TGATCTTTCT TGTACCTGAA CCAATCTTAA AAAACACAT GACTGGAGCT
5051 GAAGATGGCA GACATGTTG TGGAATGAAT CCAGTGGTGA GGATAACGGA
5101 CAAAATCAT TTGGCACCAG AAGGTCTAGT CCACATCTC TGGGAAAGGA
5151 ATCATTATC ATCAGAATCT AAAACATATT GCATACTGGC CACATGTGGC
5201 TTTAGATGT CTTTGTGTTG GCCTGGGTAG TGTTTCTTT TAGTAAATTA
5251 ATCAGTTTTT TTTTGTGTTG AGGCGGAGTC TCACTCTGTC TCCAGGCTG
5301 AAGTGCAGTG GCACGATCTT GGCTCACATGC AACCTCCACC TCCAGGTTC
5351 AAGTGATTCT CCCACCTCAG CCTCCCAAGT AGCTGGGATT ACAGGCATGC
5401 ACCACCACAC CTGGCTAATT TTTGTATTTT TAGTAGAGAC AGGGTTTCAC
5451 CATGTTGGCC AGGCTGGTCT TGAACCTCTG ACCTCAGGTG ATCCTCTTGC
5501 CTTGGCCTCC CAAAGTGCTG AGATTACAGG CGTGAGCCAT CGCGCCTGGC
5551 CAGTAGTCAG TATTTTAAAG TGAGCAGCTC ATATAAATTG AGCATTTTAT
5601 CTTTTCTAGA AAAAAAAGAT TTGGGAACGT TTGCTAACAT CAGTTCTGT
5651 GTAGCCACAA TGGACTGCTA AAGCTAGGCA GCAGCTACTC CCTTAGACAA
5701 ATTCCGTATT CTCCAGTTAG CCACATTCCT ACCTCTCCTT ACTGTCTCTG
5751 GCATACAGCT GCATCACACC TTTCCACTAC GTGCCGACCT TTGTAGACAA
5801 TTGCTTTTGG AATTATTTGC TAAAAACAG AAAAAAGTATG AATGTGACTA
5851 CTCACAAAAT CTTAGAAATG TGTAATAGAA ACAGAGCAGT ATGGTGTCTAT
5901 TGTTAAATC CTAGCTTTGG ATGTGAACAA AAAGTAAAGC CAGGCCTGTT
5951 CTTAATGTGA AGTCTACATT CTGTACATTC CTAATCTGAG CTTTGGTTTT
6001 CTTATCTTTA AAATGAGTAT AATACCTCAT AGGATTGTAA TAAGAATACG
6051 ATATCTGCCT ATTTATATAA GATTTAGATG TCACATTGCC TTGCTCATAA
6101 TTATTCCTCA AAAACAGCAC AGATTACCTT TAATTATAAA CAATCCAAGT
6151 TAAAAGAATA ATTAAGGAA GCCTAAGAAA ACTTTAGCTA ATTACCACCC
6201 AATGACTGCA ATTTGAAACT TCTAATAAAC GGAAGGTTTT TCTGGATTAC
6251 TTTTAAATGA GAAAAATTTT CCAAATAAAC CAACTGAAAA CCAGGCATGT

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6301 AATTTAAAAA ACTTATTCAA GATGTGTCTT GAGATTGTAA CAATTCTGTT
6351 GTCATCTTTT ATATCTCTGT GGCTGTCCAA AATAAATTGG TTCTCAGAAT
6401 GTGAACCTTT TAGCTAAGAT ATCAATTCAT CAGTGATTGT TATGTTTAAAT
6451 GCATGTATGA GGCAGGAAAC TAAACTCTTT TTTTTTGTG TTGATACTGA
6501 ACCATTAGTT TGTGAGCAAA GCACATTATT AGCACTACTC ATTGTCCAAG
6551 CAATTGACT AGATAAGGT TTAATTTATG CTTTACATAC TAGACCACAA
6601 ACATAAGGAA TTGGTTAATG TTAGAGGTGG CTAGAAGATG AATACTTTAT
6651 ACAGACTTCT ATAATGGTAT GAATGCTATT CCTTCAACAC ATCAGAATAG
6701 ATATGACTTC CCTTTTTGTT TTGCAGATAC ACCCTTAACT TTTTGAGCTC
6751 ATAAGGAAGG TATCAGACTA TCCCTTGGTA TCAGTGTTAA AGGAATGACA
6801 ATAAGTTTGT AGGACTTATG ACTAGTTTCT ATGAAATACA GATTCATTAT
6851 ATACATTCT ATATTTAATC AAAGAACTTG ACAAATGGA ACAGCTGTAT
6901 GTACATAGTA CTTAACTTTT CCGTCAAAGT ATTGCAATTT ATCATTATGC
6951 CACTTGGGGG CATCACTTTA CCATTGACAT TTTGCATACA GGGTGACCTT
7001 TAATTACAAT GTAATACCA TATTCTTTA CATTTTTATT CACTTTCTGA
7051 ATTAGCTGTG AGATTAATAA AAAACCTACA GTACAGACAT TACACTTGCT
7101 TGATGCATGT TCGGAGAGTT TTCTTCCTGG CATAAATATT GGGCATCCCT
7151 TTTTTCATTA TCACAGTAGA ATAAATTTAA ACTGTTAAAA TGTATGGTGA
7201 ATGAGATAGA GGTTTTCTCT TTATTATGCA TCATGAAATT CATAAAACAA
7251 TATTTGAGAA TATTTCTTTT CATAATTATA GACACTCTAG TCTAATTATG
7301 TTGTCATAGT CCTAAAAAGA TTGTGCTAGT TCTTATTCAT TTTATTTTAT
7351 AGTATTGTGA AATTGTCAAA GTATCTTTTC AAAAAATCAA ACCCAAAGA
7401 TTTGATCAGC CCAGAAATTA CTTTGGCCCT TAACATTAGC ATAGTGCATG
7451 TAATTTAATA GAAAGAGAT ATTAAGGAAA TAGGTTTACC CTAAATACA
7501 TGATTAAACT TGAATTAAT CATGGCCACA GCTACAGTGA ATTTCAACAT
7551 TCATCTTATC AGCATAGAAT GTTGGTTATA ATGATTTTTT AAAAATTTAT
7601 CACATTTAAG ATATAGTGAT CTTACTATGC AGAGTTGATT TTATGCTGTT
7651 GTCTGTTTTA GTCTGTCAAC TATGAAGTAT TTAATACAAT TTAAATTTTT
7701 TTTTTTTGAG TCGGAGTCTC GATTTGTCAC CCAGGCTGGA GTGCAGTGGC
7751 GCGATCTTGG CTCACTGCAA GCTCCGCCTC CCGGCTTCAC GCCATTCTCC
7801 TGCCTCAGCC TCCCGAGTAG CTGGGACTAC AGGCGCCCGC CACCACACCC
7851 GGCTAATTTT TTGTATTTTT AGTAGAGATG GGGTTTCACC GTGGTCTCGA
7901 TCTCCTGACC TTGTGATCCA CTTGCCTGGG CCTCCCAAAG TGCTGGGATT
7951 ACAGGCGTGA GCCACCGCGC CCGGCCACAA TTTAAATATT AGACCTTTGC
8001 TTTGGACTCA GCACGAGAGA GGAAACTGAA GCAGTAGGAG ATAAGGCCTA
8051 GCCTTCAGGT GCTTCCAGTC CGGAAGACTA TATCAACACA CATAAAACAA
8101 CTAGTATACA GTACAAGACA ATGCTTAAGT ATCTGTGTGG CAGGTTGCAC
8151 TCGGAGATGT TGGAGTGGCT ACTCCCTTTC CAACTCAATA TTATCTTACT
8201 TGTTTCTGTG TACTATCTAA CTTATGTGTA TTTTCCCTT GGTCTATCC
8251 AAGTCCGTAT CCAAAATATT TACCCCTTAA CTGTGATCGT ACACCTTGGT
8301 CTTTGTCTAA ATATGGGAAA AATGGTAACA AGGAAATGCT TTATCTCTAC
8351 AGAAGGCATT TTTTCCCCCT CTATCTCATA TGTCTGCCTG AGATAAGGAT
8401 CAGGAGTTAA ATAGTAAAAG GCCTACAAGT CCTTAAAGAA ATGGCCCTCA
8451 AGTCCAGGCT CTTGCCTCCT CAGAGAGCTC TTGGGTCTAC ATTAGAGTAG
8501 ATTTTAAAAA GTCCTAGCAA GCTGATTTTC TACCCAGTTA TGGAACAAA
8551 ATGGAAGATA GGGGGCCAAG AGTTGATGCT AGAATGAGTC ATACTGACAA
8601 CAGAGGGGAG TGGTCTTAGA CCATAAGAGT AAGGGAGGTA GAAAGTAAGA
8651 AAAAGATAAT TAAAAAACCC CAAAAGCCAA AAAAGTCTGG GTCCATTGTT
8701 GTAAAGCTCT CCATACTCCA GTTTCTACTT ATAGAAATCT CAGACGTCCA
8751 GCCCTGTTCC AAAGTACTGT ATTGAGACAG ACTCACTAAC TGGCATGGAG
8801 TCAAAAGGGC TCAGGGGTTT AGCCACCACC CTGGGGTCCA GGCTCAGCT
8851 TTTCATATTC ATACACCCAG AGATGGTCAG TCTTGGAGAG GAGCTTATAT
8901 TAACATAATC AAGACAAGAT AGATCTATAA ACCATGATTC CACTCTTAA
8951 TCTGGTCTCT AGGATGAACA GTACCTCCTC CTTTGTGCAC CCTCCCACCA
9001 TTTTCTGGTA GAAGTTCTGG AGAAGCTGTA TATCTAATGA GAAGTGAAAA
9051 TATAACCAAA ATAAGCAGGT GGAATAATTG GGCAATTACT CGCTTAAACC
9101 AGGTAAAAGG TCTCTTCTAA GAACCTGACA AAATGGAACA GCTGTATGTA
9151 CATTCCTAAGT GGCTATTGTT GTGGGAGCCC TAAGACCCAG TGTTTATCTA
9201 CTAAATAGCT CTGGATGCAC CCCCATACAA ATATTCATAG GGTACCTCCT
9251 TTCCCAATAT TGAAAGTAAT GTGTATACAC TTTATAAAAA GTTCAGATGT
9301 GCATAAAGAA GCAGTAAAT AATCTATAAT CCTGCCATCC AACCTGTGGT
9351 CTTTTCTGTA TGCACTGACA AATATTCAGT CTTTTAACGA AACATGGCAT
9401 TGGTCTTAGT CATTGCCTCT GAGAGGAGAT AGGAAGAGAA GGAGACTTCA

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9451 CTTTTCAC TG AACCCCTTCT GTGCATTTGG AATTTTGTAT CATGTGCAAG
9501 ACTGAAACAA AACAAAACCT ATAAAAATAAA GTGAAAAAAC CCACATATTC
9551 ATTCAACAAA TACTGGTCAC CGTTTACTGG TCATCTGGAG CTTGAGTCTG
9601 GTACAGTGAT TCTTAACCTT GGCCAAACAG TGGAATCACA ATATTTAGAA
9651 AGTACAGATG CTTGAGTCAT ACTCCAGTGA ATTCTGTTTG GTCTGGGGTA
9701 TGGCCAAGGA TTTTGTAGAA CTTCCAGGTG ATTCATATGT GTCAGTAGAC
9751 TTGAAATATC TCAACTGGAG ATAAAAACTC TACTTACATA ATCATAAATA
9801 ATTTTAGCTG CAATAACTTG TGAAAGAAAA ATCTTGGTTC TTGTGAGGTA
9851 CAATAAACTC ATCTTTGCTT GCAGGATGGA AGGTTGGGTG AGGCAAGGCT
9901 TCCCTGAGAA CTGTGAGCTG AAATCTGAAG AATTATTAAG AAGTAGCCAG
9951 TGGTTTTTAC AATTTGTGTA GCATCAGAGT TGTCTGGAGA GCTTATTAAA
10001 ACAGATTGCT TGGCTCCCCC CTACCCAGAG GGTTTCTGAT TTAGCAGGTC
10051 TGGTAGGAGG GGCCTGACAA TTTGCATTTT TAACAGCTGT TACTACATCT
10101 TAGAGGACTG CATTTTGTAG ATCCTTGTAC TAGGCAAGG GATGGGAGAA
10151 GAGTTGCATT CAGTGTGAAT GGCCTAAAA TGGAATAGAG TTCAGTGTAT
10201 ATACAATCTC ACATGCTTTT TTAAGCAGG AAAATATAAG CATTTTCCCA
10251 TGTAGTAAA TACTCTTAA AAGCATCAT TTTAACACCT GCATAAATAGT
10301 CTATGGCTTT CTTGTCTATT AACGGCCACT TGTGGGATAT CTAGATTCTA
10351 GTGCCTTCTT TGAAGTAGAA GACTATTGTG CCTTTTAGCG TCCTCAGCGA
10401 TTTGATGTGA TGAAGTGTTC AGCATTTTCT TCCTGTGAGT AGCATAACTG
10451 AAAAATAAG GAATGCAAGC TTCGGTCACT GAGAAATGAC AGGCATTCTG
10501 TGTCACTCAA TTTGAGCATT TTTGGGGTGC AGTTGTGAGT TACAGTACA
10551 TTTGCACTGT AGTAATTAGA TAAAAAGAAC TTCATCCATT TTTTTTTTTT
10601 TTTGAGACGG AGTCTTGCTC TGTGGCCAGG CTGGAGTGCA GTGGTGTGAT
10651 CTCAGCTCAC TGCAGCTCC ATCTCCAGT TTCAAGCAAT TCTCCTACCT
10701 CAGCCTCCTG CATAGCTGGG ATTACAGGCA CCCACCACCA CGCCAGCTA
10751 ATTTTGTAT ATTTAGTAGA GACAAGGTTT CACCATCTTG GCCAGGCTAG
10801 TCTCAAACCT TTAACCTCGT GGTCCACCTG CCTTGGTCTC CCAAAGTGCT
10851 GGGATTACAG GCGTGAGCCA CCATGCCAG CATGAATAAT AATTCTTACT
10901 AAAATGTGTG GGTTTTTGTA ATATTAATAA TACACTTTCA ATAATTGAGA
10951 TTGTGACTGT AATTTCTGCC ATTTAATAGC TGATCGCCTT TAGCAAAGCT
11001 AATATTTATA TATTGTACCT ACTAATACCT ATTTATGGAT ATTTCTGTCT
11051 GATTTATTTA ATCATTTTAA CATATCTTTA CTTTCAATTT TGAGTCATTT
11101 TAAACAAAAC ATCAATAGAT TTAATGAGTC CAACTTTGAA CTCAATCTAT
11151 GTATTCTTAT TAAAGTACT ATTTCTATAT TATGTCTAGG AGTTCTCTCC
11201 AGTGGTTATC TGTGATGGGA TAGTGGGTTT ATTGAGTGGG ACGAGTTAAT
11251 TTAATAGGAT TCAGTGGTTT ACGCCGTGGA GAGTTATGAA AACAATTTGG
11301 AAGAAACTAA TGATTTCTTT CTATTTTGCC TTGCCAGACC TCAAAACACA
11351 GTTCTTTTCA GTTCTCTACA GTTAAAAAAA AAAATCTTCC TGCTTATCTT
11401 TTAAGAGAAA GATAACATG AAAGCATATT AAAATATTA AAATTTTAAT
11451 ACTAAAATTA ATATTAATAA CAGTTCAGAT TCTCGGAATC TTGTGCTTAG
11501 GTTCTCTAG GTAAATATAG AAAGAGTACA TTTGAAGTGG GACTTCACTT
11551 TGGGCTTTGT CAGTTCTCTG CACACAATAA GGTCAAGCCT CTGAGCTTCT
11601 GGCCATCTTA TATTTAAAGT TTGGGAGATG GAATGGATAA GGAGAGAAGA
11651 AAATGCAAGG GCACATAGTT ACTTTGATTA GTTTCAATCA TGGAATGAA
11701 GTCAATATTC TGAGATAAAT GACTTTCCTA AGGCCGCTT GCTGCATGTG
11751 TTAGCATAAA AGAATCCGTG TGCTTCTAT CTGGTTTTTA ATATTTACAG
11801 ATCAGAAATG ACTAATAAAA TATTAGAATG AGTAGGCTGC AGGGAAACCC
11851 TCAGTTTCTT TTTGGCTTAG GCAGGGGGCC AAAAAAGCCT CCTTTAAGA
11901 CTGAATTGCC AAGAAACATT TAGGAAGAAG ACAACAGTTA GGAAGAAGGC
11951 AACAACTACT AAAAATTTTT CTTAAAAATA ATTCTTTTTT CTACATTAC
12001 TGTGTTTGA AAGAAAACAA AAGTGATGTA TTTAAATAT TACAGCCGTA
12051 TTAGTGTGAG CAGTAAAGT ATATTCAAAT TACAATAGTA TACTTGTTAG
12101 ATTTTCAGAC TTATTTAAAT TTATCATTCC ACTCTGTTCT TTCAATGTGT
12151 TGTCTGGTG GATTTGTGAG TAGGGAAGCT AATGGTTGG CTAACACTGA
12201 ATGACATCCC ATGAAATATG GAATAGCATT CTTCATTTAA ATGTATGAGA
12251 TAGGGGAATA TCTAAGCTAT TCTAGTAAAT AATAGTAATA ATAAATGTAA
12301 TTGGATATGC TGATCCCTTT ACATTGTCAT TGTGACTTTC CTAATAATTT
12351 TAAAGTGCAA GATTTTGTG TTAAGCCTAT TAAGTTATTG TATCTCATTT
12401 ATTCAATAAA TAAAGTATTT TAGGATGAGT GCAAAAAATG CAAGAGCAAA
12451 ATTTGATGGG TGATGCTAC CTTGTAGGTT TTTTTCCTT CCCCTAAAAG
12501 GGCTTTTTTC ATCGAGATGT TTTATAATAA AAAGTGAGCT GATTTTAAAT
12551 AGAGTCCAGA GGAACCTCAA TAACCAATC CAGAATCTT AATGGTTGAT

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12601 GAATATTAGA ATATTCAGTC AGCTAACTTT AATTTCCTGA CCCCCAAACA
12651 AGCACAACAC CCTCAAGTAT AATCTGTAAC TAGCCCTTCT TGCTGTTGTT
12701 TCTACACAAG CAGCCTTTTG GGGAGAATAT TTCTCCAAC AACTTTTGGT
12751 GCATCCGGCA GCCCAGCTCT CTTCCTGGCA GACAGCAGGC AGTTCCCTTT
12801 TACCATTGCT TACTTTAACT GGATCAGTTG AGGGAGGCAT CTGTTTTACT
12851 CAGTCCTTTC CTTCTAAACC GATCTGGTTC CTTTTTGACG CATGAATGTC
12901 TCTCAAGAGT AATATAGGCA ATTTTGGCCA GCACCCAAC TTATACCTAT
12951 TTTGAACTGA AAATTTTAGT TGTGATATCA TCCACCCTTA AGTAACTTGA
13001 AATGAGATAT GTATATGACT TAAATTTAAA AGAAATGAGA AGGGGGAAAA
13051 TTCTCAAGTT AAAATTAGTT TCTGGATCAA TTTATTACTC TTCAACTGAT
13101 TTTCTGGGG AAAAAGCTT AGTTGCCATA ACATCCATGT TTAAATAGTG
13151 CACTTTGAGT GATGTGCATG ACTTACAAGT CAACATGAGA GACAAGCAAC
13201 CCTCATGTTA GTAATAGTTT CTTGGTCAGT TATTCCTAAG CTTGGTTTTT
13251 GGAAAGAGTA ATTTGTAAAT TTAATTAAGA GTAATTTGTA CATCTATGTG
13301 GGAAATAAAC ATTGTGGCA CCAGAGTTCT AAAAGTAGTT TACTCCACTA
13351 ATTGTGCATT GTATAAATAA TGTATGTAG TATCAAAAAT AAGCAGTTAA
13401 TATTGTGTGA CCTTTATTGC TTTAAAATAC TGTGAAATTG AATTTCCATT
13451 CCGTAGTTTA ACGAGAACAC TTTTATTTCT CAGATACTCT TATAAGCCCT
13501 AGTCCCTGCT ACTCACGAAT GAATAATTAT GAACCTTTGA CATGCTATAG
13551 AACATACTTA TTAGTACAGT AGTGCTGTAT TTATTTGGGT AGTTATATGA
13601 AAAAAAAAC ACCCCAAAGT TTTAGTTATT AAGAAAGCAA AACTAAGCC
13651 TGATGAAATG TGTGGGGTG ATGGATATGC TCATTATCAT GATTGTAGAG
13701 ATGGTGTCTAT GTTTCATGGG TATATAACATA TATCAAAATT TGGCAAAATTA
13751 TACACTTAAA ATATGTGCAG TGTATTATGT CAATTGTACC TTAACAATTG
13801 TGTTTAGAAA AAGCAAAAC CCTGTACCAT GATATATGAA AACCCTTAAG
13851 ATTGTAAAC TGCTGAATT TGCAGTTACT AATGATAATC ATTATGAAAC
13901 TTGATACTTT CAGCTGAGTG CTGCTTTTTA ATCTTGGGTT CATACCAGCC
13951 AATTTTATTG TTTTAGCTC AGAGAAAAAT CATAGGCTTT GTTTTTGGTA
14001 CCTTTATTGG GCAAGTGAAG AAGGAAGATC AAAATGTAGT TGATAATATT
14051 GTCCTACATA CTAGGTTTCC AACTTTCTAA GAGTGGAAAA TTTGGAACAT
14101 TGAATTTCTG ATTAGAATGT GTTTGGGTGT CAATTTTCTC AGTCTCTCCC
14151 ACATGCAGCA GTCACCTAGC ATTTTAATTA AAGTTTGGTT GATGTTTCCA
14201 CTTCCCTATT AGTTTGAATT TTGAGAAACC CTTTAAAACC TAATCACTTA
14251 GCTATGGCTG CTTTCCTTCA GGGGAGATTG AAGGAAGATT TGTGGCCCCA
14301 CAGCCCTTCA TTTCTCTCT TCTTCTTTG CTTATGTCTT TCATCTCATA
14351 AGCCTCATAC AAATGCATAC ACTGTGAGTT TGGGGATAAT ATCGGCCAAT
14401 CCACTTTTTG CAATATTGGA TTTGCTATTT GGTGATCAGC TGCTTTTAAT
14451 TTATATTGCT ATTTCAAAGA CATTTTGGTG CAAAGATTAT TGAGCTCTAA
14501 TGAGTAGTTT CTATTATTTT TAGAATTGCT TTAGTAATCA AAATTACAGG
14551 AAGGATTAAT GACAGATGTG AGTTGCAAGG CAGTTTAAAC TTAATTAAAA
14601 AATGAAACAT TTGGGTGTTT CATATGAATT GGACCTGACA CATATCTGAA
14651 ATTGCATTTT AAGTAAGCTT TAAAGCAGTT GACTATTGAA CTTGCAGGGA
14701 GTAAGTACAT ATTCAAAAGG TTTTGAAAAC TGACAACAGT AGATAATTTT
14751 CCACAGATAA AGCTTATTTT GGCATTATTT TGCTAGCTCA CATAACCATA
14801 AAAACTCTGT GTGTGTGTGT GTATGTGTAT ACATACGTAA ATATATACTC
14851 ACGTATATAT ATGTGTGTGT GTATGTGTGT GTTTAAGGTG TGTATATGTG
14901 TATGCATTTT TTAATTGGAC AGTTTTTTAG TTCAACACTA GTTTCAGCAG
14951 CAAAAGTTGT GTTCAGCTGG TAATAATATC CCGTTCTGAT GGATGAAGAG
15001 GCAAGGGCTC AATATTTTCA AACTATACTT GGACATGAAC TCAGTATTGA
15051 GTACTTGGA GTACTCAGTG GAGACTTCTA TTTTATAAAA ATTCAAAAGG
15101 CGATTCCAGG GCAAGATGGC CGAATAAGAA CAGCTCTGGT CTGCAGCTCC
15151 CAGCGAGATC AATGCAGAAG GTGGGTGATT TCTGCATTTT CAACTGAGGT
15201 ACCTGGTTCA TCTCATTTGG ACTGGTTAGA TGTGGGTACA GCCCAGGAG
15251 GGCGAGCAGA AGGAGGTGG AGGCGTACCT CACCCCGGAA GTGCAAGGGG
15301 TTGGGGAGCT CCCTCCCCTA GCGAAGGGAA GCTGTGAGGG ACTGTGCCAT
15351 GAGGAACAGT GCATTCCAGC TCAGCCACTA TACCTTTCCC ACAGTCTTCA
15401 CAGACCAGGA GATTCCGTCA GGGGCTACA CCACAAGCGC CCTGGGTTTC
15451 AAGCACAAAA CTGGGCAACC GTTTGGGCAG ACACCCAGCT AGCTGCAGGT
15501 TTTTGTTTTT TGTTTTTTTT TTCCCTGTAT CCCAGTGGTG CCTGGAATGC
15551 CAGCGAGACA GAAGTTTCA CTCCCTGGA AAGGGGGCTG AAGCCAGGGA
15601 GCCAAGAGGT CTTGCTCAGC GGATCCCAT CCCATGGAAC CCAGCAAGCT
15651 AAGATCCACT GGCTTGAAAT TCTCACAGCC AGCATGGCAG TCTGAGCTCG
15701 ACCTGGGATG CTGTTGCTTG GTGGGGGGAG GGGTGTTCAC CATTACTGAG

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15751 GCTTGAGTAG GTGGTTTTCC CTTACAGTA TAAACAAAGC TGCCAGGAAG
15801 TTCAAAGTGG GTGGAGCCTA CTGCAGTGCC ACAAAGCCGC TGTAGCCAGA
15851 CTGTCTCTCT AGATTCTCTC TCTCTGGCAG GGCATCTCTG AAAGAAAGGC
15901 AGCAGCCTCA GTTAGGGGCT TATAGATAAA ACTCCCATCT CCCTGGGACA
15951 GAGCACCTGG GGGAGGGGGC GGCTGTGGGT ACAGCTTCAG CAGACTTAAA
16001 CGTTCCTGCC TGCTGACTCT GAAGAGAGCA GCAGATTTCG CAGCACAGCA
16051 CTCGAGCTCT GCTAAGGGAC AGACTGCCTC CACAAGTGGG TCCCTGACCC
16101 CCGTGCCTCC TGATGGGGAG ACACCTTCCA GCAGGGGTCG ACAGGTACCT
16151 CACACGGGAG AGCTCTGGCT GGCATCTGGC AGGTGCCACT CTGGGATGAG
16201 GCTTCCAGAG GAAGGAACAG GCAGCAATCT TTGCTGTTCT GCAGCCTCTG
16251 CTGGTGATAC CCAGGCAAAC GGGGTTTGGG GTGGACCCCC AGAAAATACC
16301 AGCAGACCTG CAGAAGAGGG GCCTGACTGT TAGAAGGAAA ACTAACAAAC
16351 AGAAAGCAAT AGCATCAACA TCAACAAAAA GGATGACCAC GCAAAGACTT
16401 CATCCAAAGG TCACCAACAG CAAAGAACAA AGGTAGGTAA ATCCACGAAG
16451 ATGAGGAAAA ACCAGCGCAA AAAGGCTGAA AATTCCAAAA ACCAGAATGC
16501 CACTTCTCCA AAGGATCACA ACTCCTCGCC AGCAAGAGAA CAAACTGGA
16551 TGGAGAATGA GTTTGACAAA TTGACAGAAG TATGCTTCAG AAGGTGGATA
16601 ATAATGAACCT CCTCCGAGCT AAAGGAGCAT GTTCTAATCC AATGCAAAGA
16651 AGTTAGGAAC CTTGATAAAA ATTAGAGGAG TTGCTAATA GAATAACCGG
16701 TTTAGATAAG AACACAAATG ATGTGATGGA GCTGAAAAAC AGCACAAAGAA
16751 CTTCATGAAG GAAGCATACA CAAGTATCAA TAGTCAAATC AATCAAGTGG
16801 AAGAAAGTAT ATCAGTGATT GAAGATCAAC TTAATGAAAT CAAGTGTGAA
16851 GACAAAGATT TAGAAAAAAG AATGAAAAAG TAATGAACAA AGACTTCAAG
16901 AAATATGGGA CTATGTGAAC AGACCAAATC TACATTTGAT TGGTGTACCT
16951 GTAAGGGACG GGGAGAATGG AACCAGTTG GAAAACACTC ATCAGGATAT
17001 TATCCGGGAG AACTTCCCCA ACCTAGCAAG ACAGGCCAAC ATTCAAATTC
17051 AGGAAATACA GAGAACACTG CAAAGATACT CCTCAAGAAG ACCAACCCCA
17101 AGACACATAA TCGTCAGATT CACCAAGGTT GAAATGAAGG AAAAAATGTG
17151 AAGGGCAGCC AGAGAGAAAG GTTGGTTTAC CCACAAAGGG AAGCCTATCA
17201 GACTAACAAC AGACCTTTCT GCAGAAACCC TACATGCCAG AAGAGAGTGG
17251 GGGCCAATAT TCAACATTTT TAAAGGAAAG AATTTTCAAC CCAGAATTCC
17301 ATATCCAGCC AAATAAGCT TCAAAAATGA AGGAGAAATG AAACCTTTA
17351 CAGACAAGCA AATACTGAGG ATTTTGCCTT ACAAGAGGTC CTGAAGGAAG
17401 CACTAAATAT GGAAAGGAGA AACCAGTACC AGCCACTGCA AAAACAAACC
17451 AAAATGTAAA GACCATCAAC ACTATGGAGA AACTGCATCA ACAAATGGAC
17501 AAAATAACCA GCTAGCATCA TAATGATAGG ATCAAATTCA CACATAACAA
17551 TATTAACCTC AAATGTAAAT GGGCTAAATG CCCCATTAA AAGGCACAGA
17601 CTGGCAAATT GGATAGAGTC AAGACCCATT GGTGTGCTGT ATTCAGGAGA
17651 CCCATCTCAC CTGCAAAGAC AAACATAGGC TCAAAACAAA GGATGGAGGA
17701 CTATTTACCA AGCAAATGGA AAGCAAAAAA AAAAAAAGGT
17751 GGTGGGGGGG GTTGGGAATCC TAGTCTCTAG TCTCTGATAA AACAGACTTT
17801 AAACCAACAA AGATTAGAAG AGACAAAGAG GGCATTACA TAATGTAAG
17851 GGATCAATGC AACGAGAAGA GCCAACTATC CTAGGTATAT ATGCACCCAA
17901 TACAGGAGCA CACAGATTCA TAAAGCAAGT TCTTAGAGAC CTACCAAGGG
17951 ACTTAGACTC CCACACAATA ATTGTGGGAG ACTTTGATGC CCCACTGTCA
18001 ATATTAGACA GATCAACGAG ACAGAAAATT AACAGGGATA TTCAGGACTT
18051 GAACTCAGCT CTGGACCAAG CAGACCTGAT AGACATCTAC AGAACTCTTC
18101 ACCCCAAATC AACAGAATAT ACATTTTCTC CAGCACCAGA TAGCACTTAT
18151 TCTAAATCG ACCACATAAT TGGAAGTAAA ACACTCCTCA GCAAATGCAA
18201 AAGATCAGAA ATCATAACAA ACCCTCTCTT AGACCGCAGT GCAATCAAAT
18251 TAGAACTCAG GATTAAGAAA CTCACCTCAA ACTGCCCAAT TACGTGGAAA
18301 CTGAACAACC TGCTCCTGAA TGACTACTGG GTAAATAAGA AAATTAAGGC
18351 AGAAATAAGT TCTTTGAAAT GAAGGAGAGC AAAGACACAG CATACCAGAA
18401 TCTCTGGGAC ACAGCTAGGG CAGTGTTTAG AGGGAAATTT ATAGCACTAA
18451 ATGCCCCACG GAGAAAAATG GAAAGATCTA AAATCAACAA TTGTCTATTT
18501 GTGCCCTTTT AGACTTTTGT ATGTGAGCAA GAAAGACCTA AAATCGACAA
18551 TTGTCTATTT GTGCCCTTTT AGACTTTTGT ATTTGGGCAC TTAAGTCTAT
18601 GAATTTTCTC TTATACCACTG CCTTTGTGGT ATCCCAGAGG TTTTGTATAGG
18651 TTTTGTCACT ATTATACTTC AAATAATTTT TAAATTTCCA TCTTGATTTT
18701 ATTGTTTACC CAACACTCAT TCAGGAGCAG GTTATTTAAT TTCAATGTAT
18751 TTCCATGGTT TTGAGAGTTC CTTTGTGAGT GGATTTTCAG TTTTATTTCA
18801 CTTTGATCTG AGAGAATACT TGATATAAAT TCAATTTTCT TCAATTTATT
18851 GAGACCTGTT TTATGGCTTA TCATATGGTC TGTCTTGGAG AATGAATGTT

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22051 GAGTCTTCAC ACGCTGCTCT GTCTGTCTGA GTGGGAGCTG CAAGTTAGTC
22101 CTGCCTCCTA TCCACCATT TTTTCTAG TGTCTGGCT AGTAATTTCT
22151 GAGTGGAAATG ATGCATCATT TACATGTCAC TTCAGCCTAA GGAGTAGAGC
22201 CCTCTGACC TTGGAGCTTC TCTCTGAGC TCTTGCATTG AGACGCTGGC
22251 ACCTGTGTAC AGAAGCACTG TAAGGAGGAT AGCTGCCTGC TGACTTGCTC
22301 CGCCTACGGA AGACTTGGTG TCCATTTTGA CTTGCGGAAC CTAAGGCTTG
22351 AACTAGTATA GCCTTTTCTA ATTAATAGTA CATACAATAA CAATGATTGC
22401 TTTTGGTTG TAGTTAGCTA AAAGTTTCGT TAGTTTAGTA TTTGGTTCT
22451 AAAACACATT TTAATTTTCT TCTGGTTATA CATTCCATGT AGATTAAAGG
22501 CATAAATCCA TGTAGAATAA CAAATGGACC TCATGGTATG GACTCAGCAT
22551 GATTATGTTC TATGTAGAAT CTAGAGACGA ATTTAGAGAC CCAATTTTCTCAG
22601 ATACATAATT TCTGTGCAGT TTTTGTACCA ATTAGCAAAG AGATGATTGA
22651 CGGTTGCTAG TCCTGTGAAA CAGCAGTAGT TACGCAGTAT ATGTCCTAGT
22701 GGTATGGAGT TTAAGAATGA AAATTTTATC CTAAGACTTA GCCCACTTGT
22751 ATCGTCACTC TATACGTCAT TTATTTTGGG ACTCTTCTTG CTTTTAGATG
22801 ACAATTTACA AAATTTATTTG TCATTTCTTT AATTGGTATT TGTACTTATG
22851 TCCCACAAAC GGCTTAATTT GTGTGTCCAT CAGTGGCATG TTAAGCCAC
22901 TTTAGCCCAT ATATGTTACT CAGTGTGTGC AAACGTGTAT TTTCTACTAA
22951 ACGGTATCTA TTTCAAGAGT TTGTCAGATA AACTATGCAG AACCAAGATG
23001 TCAGTTTGT GTTTTATTT CCTATATTGC CTCATTATA ACAATAATAT
23051 ATGATCCTCC AAATTTGCCA GATATTGTTT AAACGTGATT TTCTAAAAGT
23101 AGAGATCTTC TGAGGATTTT TTTGTTTTTT AACTATATA TCTATGAATA
23151 CTTTTAACTA CATGTTATAA ATAACAAAAA CAATTTAAAA AAAGTTGTTG
23201 CTTGTGACAA CACTAACGTC AAGGAAATTT TGTTTAGATT GGGAAAAATAA
23251 AACAGGTGTT TCAGTCCAAA AAAAAAAAAA AATCAAAAGG CATTAAATATG
23301 GCCCCTATTG AAAAGCCAC ACTGAGAGGC ACTAACTACC CATGCCTTTG
23351 CAGTGTGAGG TTAATGGGGG GGTGTCCCCT CAGCAGCTGC CTCAAGCTCC
23401 TGCTTTGCCA TTAACCAGAC TCACTCCAGG ATTCCTTGGA AACTGTGTGC
23451 CTACCTGAAT AATTATTAC CTAGTGATCA ATTATTCATA ATTCTTTATT
23501 ACAACGAAAT AAAACCTAAA GGTGGAATCA TTTTGCCACT TATGAATATC
23551 CAACAGATCA TCAGGAGATT GCAGTAGAGT TTTAAGCCCT TCGGGTCCCC
23601 ACTGCCTGTT TGTTTCTCTG AAGGGATTCC ACAGAGAACA GCCTTCTGAG
23651 ACAGGATCAG AATCAAAGAA AGCAGTAACA AATGACTCCC TGCTGGTCCG
23701 GCTGCACGGT TCATCTATTC ATGCTGTTTG TCTTTTAAAT TCTGGCCTCA
23751 TTTATACCTA GAAATAAAAT TTCAATTTGA AAGAATGTAG GAGACTTTTA
23801 TGACACCGTT GGTTTATTAA ATCATTCTTA GGAGGTAGAC AAGGACATAA
23851 AACTTACACC TAGAGTATCT TCTGGAATAA AATGCAGGAA CCTTTAGTAC
23901 ATTTTATGTA CACTAATCAT ATTGCATTG CTTGTTTCAT CAGTTATATC
23951 TGAGTTATAT TTTATTTATT TATTAGACCA TATAAAATG CCATATATTT
24001 TCCACATATA TAGAAAGCAT TTAGTAAAA GTTCTCTGAA AGTATAGTAA
24051 GGCAGGCAT GGTGGCTCAT GCCTGTAATC CCAACACTTT GGGAGGCTGA
24101 GGCAGGAGGA TCGCTTGAAC CCAGGAATTC CAGACCAGAC TGGGCAACAT
24151 TGGGAGACTC TGTCTTTACA AATAGTAATA AATAGTGGGC ATGGTGGCGC
24201 ATGCCTGCAG TCTGTCCAG CTACTCGGAA GGCTGAGGTG GGAGGATTGC
24251 CTTAGCACCT GAGGTGGTCA AGGCTGCAGT GAACTAGAAT TGCAACACAG
24301 CATCCCATCC TAGGCGACAG AGTGAGACCC TGCCTCCAAA AAAAATTAGT
24351 ATAACCAAT TAAGCCTACT TCTTTAAAT TTGGGAAATG TAGTGGAAAA
24401 TTGTTTAGCT TAAGCCAGAC TACTTAATTT TAAAAATAA CAACAAGTTT
24451 TAAAAAATAT TTTGAAAATA CTTGGAGAGT TTTAATTCCA GTTACATTAG
24501 ATTATAAAGC AGAAGGTTTG CCTTTGAGGT TTTCTGCCTC CCAACCAGTT
24551 GGCTTTCCGT TGGACACTCT GGCAGTGAAG AGTGCACATA ACTCTGTGAC
24601 ACTCCACATT TTGGGTTGTC ATTTCACTGT TGTGGCATT TCTCTGTAGT
24651 TACTTCCAAA ATAAGTTAGT ACTAATTTG AGCATGAGTC CTGGGACCCT
24701 GGGGTTAATA TTTGCCAGGT CTAAAAATACC CCGGCTGTA GATAAAAAATC
24751 CCAAAGTGC AAACAAGTAC TTTTATAGTG AGATTCCAGA TCATTTTTTG
24801 TATTGATGTT GGTTTACCAA ATGGAATGAA GGCTAAATGT TTAAGCAACT
24851 TTTAAATGGC CTAACCCAT ACCTTTCACA CAAGACCCTA CATATCTCAG
24901 ATAACCTACC AATCAGAGTT TAAATATGGA TTTAGTTGTA CTGTTGTGAA
24951 AATATGTGGG TAATTTTAA AACCTTTAAA AATATATATT AAGAAAATTT
25001 TTTTTTGATA CAGGTTTCA ATGTTGTCCA GTCTGGTCTC AAACCTCTGG
25051 TCTCAGACTC CTGGTTTCAA CTGATCCTCC CTCCTCAGCC TCCAGAGTAG
25101 TTATGCCCTG CTCTTAAAC TCTTAAGACA AATTTGAATA TGTATGGAG
25151 TAGAGTAAAA CATTTGCATG ATTTTGTACT TTATAATATA ATTTTGTATA

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25201 GGTACACAT TCACATGGCT CAAAAACAT CAAAAGATCA AGTTTCGAGT
25251 TTCTCCTCAT CCTCTCTCC CTTTTTTTGA GTTCTCATCC TCTCCCAA
25301 AAGGTAACCA CTGTTAAGAG TTTCTTCTGG ATCCTTTTAG AATTGCTTTA
25351 TGCACACATT AGCAACTTAA GAATACAGAG TCTTATTTTT CCCCTTTCTG
25401 ATAAAAGCTA GCATATTATA CACTTCTGGT TTTTTTTGTT TTTTTTTTTT
25451 TTTGCTTTTT TCATATGACA CAATATCTTG GAGATATTTT CATGTTAGTG
25501 TGTAAGACAT TTCCCATTCT TTTTTTTTTT AAACAGCTCA ATAGCATGTT
25551 CCATGGTGTG GTTGTAGTAT AATTTATTTA ACCATTTTCC TGTTCATGCG
25601 CATTTGAGTT ATATTAAATC TTTTCTTATT AAAAATATCA CTGCAGTGGA
25651 TAACCTGAA CATTGTGCAT TTCACAAACA TGCCACTATT TCTGCATGA
25701 ATTTTTAAGA TAAAACATAA CATTTCAGAA ATGTGCTGTT TTTAGCAGTC
25751 TCATTCAGG GGTTTGAATT TATCCTTCTT TACTATCAGG GGTGTTTTGC
25801 TGGCAACATT TGAGAAGTTC TGCCATAAAC TTGTTATTAA GGCCTAGTGG
25851 TAGGATGATT TTTCACTTTC AGAAATAACT GCTGTGAAGT GATAGTGACA
25901 ACAGTGTAC CTTGCCACCG TATGTCTCTC GAAGGTAGTA TAAGAAAAC
25951 GTAAACCTGG TGGCAAAATA TTTATGAGCA GAAATATGT TGTAAAATTG
26001 TCTAGTTTTT TTGTTGGCAT TTGATAGAAT GAAACACTTG CAGCTATGAG
26051 TTTTTGGAAT AGGCCAGTA CCCTCTGACC TAAAGCCCTA CAGCACCAA
26101 CTCTGATGTC TTGAAAAATA TTAATAGGTG GTTTACCTAA AAAGATTTCC
26151 ATGATTATAC AAGCTTGGAA AACACTGGGT TCCACAACAT TGAACAGTT
26201 TCTTTACTGA AGAAGCTTTC AGATCCTTAA ATTTGCTGGG GTAAATTGTA
26251 ACTTTTAAAG CCTGGATGTA GCAAGCAGCA TTTCCAAAAC AAGTTTGACT
26301 ACTGAACCTC CTTTCCCGC CCCCCTGGAC ACTCTTATTA GCATTAATGT
26351 ACCAAGGAGC CCTAATTGGG AAATACTACC CATGTTGGAT ACCATGGGCC
26401 CCATATTCAA ATTAGTGGTC ACAAGCATAT GTGATATTTA CATTTACAAA
26451 AGATTCACTG AGGGAATAA GAATAAAAGT CATTATTTAA AAATTGACCA
26501 TTATGAACAG TAGATGGTGG TAATGTAACA TGCAGACCAA CTATTAAGAC
26551 ATGTCAACAT TTCCAATGGC AGCATTAATT CAAGGTCGAA AATGTCTTAA
26601 TTTAATTACA TGTACCAGT ACTTTAATT TCACCGGCTA AATTAATAAA
26651 AGGCTAAACA TAGTATTTA ACAAACTTT AATTTCTCCC TAGGAAAAGC
26701 AGAAATTGGC TGAGAAATAA ATCTGAAGAA ATCTTTTAT CTTCACAGAC
26751 CATTGTAAGT GGCATGAGCC AGATCTGGTT TTTCTTGCCA TCCATGTATT
26801 AGATTGATGT TTCTAGCTT GTGTGTACAC AAAGGTATAT GTGTATTCTT
26851 TCTTTTTTAA AAGAAAAGG CATCAATTTA ACCAACTTA ACTCTCCAGT
26901 GTCCATGAGA ATGGCAAAGA GCAGTTTCAG TCTGAAGCAT CTGAAGCAGC
26951 CACCGCCTTT GTACTCCAGG AACTGACATT TGGGCTGAAA ATAGGATGTG
27001 AATGCCAATA GCTCTATTAG AAGGGCCAAT GGGATGAGAG ATCAGGGTCT
27051 CTTAGAAGTT GAGAGGGATC TGAGCCACTT CCATTTCTTT GAAGTCTATT
27101 TAACTATAAG ACTGTGTAAC ACAGGACAAC AAAAATGGGA TATGCTTTAA
27151 ATATTTACAT TTGACAAAAA ATTAACATAC CAAAATTCAA TACAATGTGA
27201 CTACACAAC GACAAGATTA TTATAAATTT TAATTCCTAG TGTATTAGAC
27251 TTGGGGTGGC CCAGAAATGG GACACACATT TAAAGTTGTG GTGAACATCT
27301 TTCCAAGCTG CCAGTGTGTC TTAGGGACAG AGGGTGTAA CCGGTTTAGA
27351 GCTCTTATTA AGAGTCAACA TTTGGCCAGG CAGGGTGGCT CATGCCTGTA
27401 ATCCCAGCAC TTTGGGAGGC CAAGGCTGGT GGATCGGTTG AATCCAGGGG
27451 TTTGAGACCA GCCTGGGCAA CATGGCAAAA CCCCATCTCT ACAAATATA
27501 CAAAAATTAG CCGGTGTGG TCCCAGCTAC TCTGGGGGCT GAGTTGGGAG
27551 GATTAAGCTT AGGAGGCAGA GGTGACAGT AGCTGAGCTC ATGCCATTCT
27601 GGCCTGGGTG ACAGAACCAG ACCTTGTCTC AAAGAAAAAA AAAAAGTCAA
27651 CATTTGAAGC CCCTCATAAA TCTGCAGGCC TGAGAAAAAG AGACATGGGT
27701 CCTGATGCAG ATGATAAATC TAGAGGAAC GCAGGGAGTG GAGGTTCTTC
27751 CGTGAAGGAT ATCTCAACTT ACCTGATGGA GGGGAACATAT GGCTCATATC
27801 TGCAATCCCA ACATTTTGGG AGGCTGAGGT GGGTGGATCG CTTGAGCCCA
27851 GGAGGTGGAG AGCAGCCTGG CCATTATGGT GAAACCTGT CTTACGAAA
27901 AAAATAAAAA AATTAGCCAG GCATGGTGGC ACATGCCTGT AGTCCCAGCT
27951 GCTTGGGAGG CTGAGGTGGG AGGATTGTTT GAGCCTGGGA TGCAGAGGTT
28001 GCAGTGAGCC TAGATTGCGC CATTGCACTC CAGCCTGGGT GACAGCCTGC
28051 CTCTAAATAA ATAAATAAAT AAATAAATAA ATAAATAAAT AAATAAATAA
28101 ATAAATGTAC CCGGTAGATA TGGAATTGCT GAAGATGGCT AAGGGAGGGG
28151 TTTTATCATT TAGTTGATG GTTGACCTT AGTTGCTGAA ACCAAGGCTT
28201 GAAATTACCC TTCTAAGGTA CAGTTGGGCA GTTTTTTCAC CCTGCTTTTT
28251 CCTTTTTTCT GATCCAAGGG CGAGCTTGCT TCACCTTTCT TTCCAGATGT
28301 AGCAGAAGGA CTAGCCTCAG GCAAGCAAGG CTGATGTCTT AATAAAGTGT

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28351	CTAGACCATG	GCATCCCTGG	GGCAAGAGAG	CCTTGATGTC	TTGCTGTGTT
28401	CCCCAGGCAG	GAAGGGGGTC	ACTTTGATTT	GAAGACCTAT	CTATCTCTTC
28451	AGGTCTCTGCA	GTAAAAAATA	GAGACGCGGT	TTATATCAGC	CAAGTGCTTA
28501	ATGCAATAGA	ATCATTTAGT	CTGTAAAAAT	TAGGAAGTAG	TGTTTACTAT
28551	AAGTAATGTA	CAATGTGAAT	GTCTTCATTC	AGTCTTTGGT	CAATGGATAG
28601	ATTGTCTGACA	ATGTCAGGCA	CTGTTTTCAGA	CAGTGAACAA	AACAAAGTCT
28651	CTGTTCTCAG	GGAGGGGGACA	GTCTAGTTAG	TGTTTGGAA	GAATATAGACA
28701	ATAAATACAA	ATATATAATA	TACTAAAATG	TGATTAAAGG	CTATAGATAAA
28751	AAATAAGGGG	CCAGGCATGG	TGGCTCACTC	CTGTATTCTT	AGCACTTTGG
28801	GAGGCTGATA	TGGGAGGATT	GTTTGAGGCC	AGGAGTGTGA	GACCAGCCTG
28851	GGCAACATAG	TAGGACCCCA	TCTCTACCAA	AAACAAAATC	AGGATGTGGG
28901	GGCATATGCC	TGTAGTCCTA	GCTACTGGGG	AGGCTGAGGT	GAAGGATCAA
28951	CTTGAGCCCA	GAAGTTTGAG	GCTACAGCAA	ACTATGATTG	CACCATCGC
29001	CTCCAACCCA	AGCAGCAGAG	TGAGACCCTG	TCTTTAAAAA	TAATAATCGT
29051	CATGAAATAA	AAATAAGGAA	AGAGGATAAG	GAGTGTGAG	TGTATATCTG
29101	GTAATGCTA	CTTGGTAGTT	CATATTACGT	TTGGTATTAA	ACAGCAGTAA
29151	ATATTTAGTC	TGACAAAAAC	ACCCAAAATG	AAAGATCATT	GGAAGAGATT
29201	TTGGAGCAAA	ATTTACCATT	AAAGCTCTTG	TTTTTCCAGT	AGCAGGATAC
29251	AGATTCTCTTA	CTTATGTTTA	TGTTTCTGTG	TCTGGGCAAT	AGTGCAAAGA
29301	GACCAAGTAT	ACTGTGTGTT	AATCAGTTCC	CTTTTCTGCG	AGAGTTGGAA
29351	CCATTTTACA	GGGGAGTAAG	GCATGAATGA	GGGTGGGGAG	AAGGGGTACT
29401	TGGGTTTTCT	TCCGAAGGGC	TTCATTTTAC	TGCCTTGAGA	TCAGTGAAGA
29451	CTTTCACTTT	CAGGTCTCTG	GGCTGGTTCT	GTCTGTCTCT	GCCTCATTGT
29501	TGTGTTCTGC	TCTGCTGAAG	AGATTTCTCA	CTGGAATGAA	TGGGCGCTAT
29551	GGAATTGGAA	TAGAGAGATC	TAGATGGTTG	CCCCATCTCT	CCCCTTGTAG
29601	ACATGGTCTC	CTTGCCTATG	TTAGGAGTTA	GGTGTTTCCA	GAGAGACTGT
29651	GTTTTCCAGA	TTTCAGCTTC	ATGCAGTGCC	TGAAGATATT	TTATTCCCTCT
29701	AGCAAGGGTC	AGGACACTCA	CTGTGTTTTT	CCCTTATCAT	GGTTAGATAT
29751	GAAGGACCTC	AGGGGAAATC	ATCCACTTGG	GGCCGAAAAG	CATCCAGACA
29801	CTCTCATTTT	GGTTTCTCCT	GGGGAGCTCA	TGGTTCTGAT	GTTCAAGTGAC
29851	TAGTGTTTAT	TCTTAACAGT	GTTACCCCAA	GATCAGAGTG	CCTTCTTTCA
29901	GAAGATATGC	TACATGTTCT	AGTGAGAGAA	ACACACAATG	TTTGAACACT
29951	CCTGTGAGTC	ATATCCCTAT	TGGTCAGAAA	TCATTGCCAG	CTTGTTCTCT
30001	ATGGTTCTAG	TGGAGAACAG	AGAGAAACTT	GCTCTGTGCA	TCCTGATGTA
30051	CAGTTGTGTC	ATCAAGGGCC	TCCCATTCT	GCCTTGAGAG	AAGATAACAA
30101	AGGGGGTCAA	AGCAGATGCC	CTCTATGTCT	ATAGGGATGC	AGCCACAGGG
30151	GCAAGCCCTC	CTGTCCTGGG	CTTCCAGTTT	TTTTTTCTGT	TTGTTGTTGT
30201	TTTTATTATT	ATACTTTAAG	TTTTAGGGTA	CATGTGCACA	ATGTGCAGTT
30251	TAGTTACATA	TGTATACATG	TGCCATGCTG	GTGTGCTGCA	CCCATTAACT
30301	CGTCATTTAG	CATTAGGTAT	ATCTCCTAAT	GCTATCCCTC	CCCCCTCCCC
30351	CCACCCACACA	ACTGTCCCCA	GAGTGTGATG	TTCCCTTCC	TGTGTCCATG
30401	TGTTCTCATTT	GTTCGATTCC	CATCTATGAG	TGAGAACACG	CGGTGTTTGG
30451	TTTTTTGTCC	TTGAGATAGC	TTGCTGAGAA	TGATGATTTC	CAATTTTCATC
30501	CATGTCCCTA	CAAAGGACAT	GAACCTACCA	TTTTTTATGG	CTGCATAGTA
30551	TTCCATGGTG	TATATGTGCC	ACATTTTCTT	AATCCAGTCT	ATCATTGTTG
30601	GACGTTTAGG	TTGGTTCCAA	GTCTTTGCTA	TTGTGAATAA	TGCCGCAGTA
30651	AACATACGTG	TGCATGTGTC	TTTATAGCAG	CATGATTTGT	AGACCTTTGG
30701	GTATATACCC	AGTAATGGGA	TGGCTGGGTC	AAATGGTATT	TCTAGTTCTA
30751	GATCCCTGAG	GAATCGCCAC	ACTGACTTCC	ACAATGGTTG	AACATGTTTA
30801	CAGTCCCACC	AACAGTGTA	AAGTGTCTCT	ATTTCTCCAC	ATCCTCTCCA
30851	GCACCTGTTG	TTTCTGACT	TTTTAATGAT	TGCCATTCTA	CCTGGTGTGA
30901	GATGGTATCT	AATTGTGGTT	TTGATTTGCA	TTTCTCTGAT	GGCCAGTGAT
30951	GGTGAGCATT	TTTTTCATGTG	TTTTTTGGCT	GCATAAATGT	CTTCTTTTGA
31001	GAAGTGCTCG	TTCATATCCT	TTGCCCACCT	TTTGATGGGG	TTGTTTGTPT
31051	TTTTCTTGTA	AAATTGTTTG	AGTTCATTGT	AGATCTTGGA	TATTAGCCCT
31101	TTGTTCAGAT	AGTAGGTTGC	AAAAATTTTC	TCCCATTTTTG	TAGGTTGCCT
31151	GTTCACTCTG	ATGGCAGTTT	CTTTTGCTGT	GCAGAAACTC	TTTAGTTTAA
31201	TGAGATCCCA	TTTGTCAATT	TTGGCTTTTG	TTGCCATTGG	TTTTGGTGT
31251	TTAGACATGA	AGTCCTTGCC	CATGCCTATG	TCCTGAATGG	TAGTGCCTAG
31301	GTTTTCTTCT	AGGGTTTTTA	TGGTTTTTAG	TCTAACATTT	AAGTCTTTAA
31351	TCCATCTTGA	ATTAATTTTT	GTATAAGGTG	TAAAGGAGGG	ATCCAGTTTC
31401	AGCTTTCTAC	ATATAGGCTAG	CCAGTTTTC	CAGCACCATT	TATTAATAGT
31451	GGAATCCCTT	TCCCATTGCT	TGTTTTTCTC	AGGTTTGTCA	AAGATCAGAT

31501 AGTTGTAGAT ATGCGGCGTT ATTTCTGAGG GCTCTGTTCT GTTCCATTGA
31551 TCTATGTCTC TGTTTTGGTA CCAAGTACCAT GCTGTTTTGG TTACTGTAGC
31601 CTTGTAGTAG AGTTTGAAGT CAGGTAGCAT GATGCCTCCA GCTTTGTTCT
31651 TTTGGCTTAG GACTGACTTG GCGATGCGGG CTCTTTTTTG GTTCCATATG
31701 AACTTTAAAG TAGTTTTTTC CAATTCTGTG AAGAAAGTCA TTGGTAGCTT
31751 GATGGGGATG GCATTGAATC TAGTTTTAGA GAGAGCGATA CCAGCCCCAG
31801 ATTAGAGCTG CTTGGACATT GAGGAATCTC CCCTTTAGGC TGAGGACTAA
31851 AAGAAAGCTG TGGGTGTAAT ATCTAGATAC TGCATGTCAT TGTATTTTAT
31901 GTAAATACAA CCCATTGACT TATCTTCATC TCTTTATGCC TCAAGATATC
31951 ACAGTCCCT TAAGAGATT TCATACAGT CAACTTTATG CCTCAAGATA
32001 TCACAGTTCC CTTAAGAGAT TCATAATACA GTATAGACAA GAGAGGGAAA
32051 TCAGCCCTAA TTTTAGCTGC TAAGATAGTC ATACCTATTA GCTCTCCCAT
32101 CCTCACAGAC AAGTCTGTCT GGGTAACAGG AATTATCCCT GGTTACAACCT
32151 GAGGTAACAG AGAAGAGGCA ACTAGCCCAA ATGGAAGTAA AATTTTCATA
32201 AGCTAATAAT ACTTCTATTC CAGAAAATTT CCATTTTCCG TATTAACAAT
32251 AGTGTAACCT TTTCTTTTGA AAAAATTAAG TACTTCAAAA GCATCTTTTC
32301 ATTTGGTTTT ATAGTAGTTC TATCAGGAGC CTTCAAAAGA AAGATTAAAA
32351 AAATTGTTAA TACAAGGTGT AACTGATCTG TGGTTCAGGA GAACCGTTAA
32401 TGAACAATGA AAATACATTT GAAATTATGT TATGGAGAAG TATCAGTCTT
32451 CTTGGTTCCC CTGAAAATAT GTTTTAGCTA ATCAAAACTA CTATGAATTT
32501 TATTTTGAGG TACTTTTATC TGGAGCTGGA GAATAGAATA CAGAAAGAAA
32551 TTGTATATGG TAATAGTAGC ATGGTGTATG CATATGCCCA AACCCATCAA
32601 ATTTGGTTAG TTAAGTGTGC AGGTTTTTTG GTATATAAAT TATATCTCAA
32651 TAAAGTTGTT ATAAAGAGGA GAAATATGTA CATTAATTTT TGTGTTTTAC
32701 ACATATTTTT GATGTTACTG TAAACTATT ATGACTTAAT ATTCATATTT
32751 TCCTGAACCT TAGAAATGTA ACCCATAACA AATAAAACCT GGTTTTGAAC
32801 ATGTAATAAA AGTCCCATCA GAGGCACACC ATTCATTGAT GCCCTTAAA
32851 TGTACAGATA TGTGCATTTA ATTATTCCAT ATAGCCCTTT CAAGAAGCCA
32901 AATTAAGCTC CATCTACATA GTGTGAAGTA TATGCGTTTA ATGGACTTGT
32951 ATCAAAGTAT GCACACAATT GACTCCCAT TGCATTGACA GATGATGTTT
33001 TAGTTCTTTT AAGTGTCTCT GTAGCCTCCT TGACTTCCCC ATCTGCAACC
33051 ACCATCTTGC ACCTCTTTCA GAGAACTTAC TGTATTGACA GACACATAGA
33101 GGGTTGACAG AACTGAGCCC TGCCTCACTT AATGGAATAT GTAAAAGCAA
33151 AGTTGATCCA GTGACCAAGA ATGAGGTTGG TTAGTTTAGC AAGAGTCAGT
33201 TATAAATAGG TTGTATGCTT GACTAACACA GACAGGACCA GCTATATAAT
33251 TTGTGGGGCA CAGTACAAAG TGAAAAATGC ATAGTCCCTT GTTAAAAAAT
33301 TATTAAGAAT TTCAAGCCAG TGATAGCAGA GCATTAATCC AAGTGTGAGT
33351 CTCTTTTAAG CACTGGGCCC TATGTGACTG CACAGGTACT ATGCCAATTC
33401 TATGGCCTTG AACACAGAAT ATTATGGATA TTGTCATGGG GAAGGAGGGC
33451 AGTTAAAGTG TCCCCTGTTA AAAGACAGAT GTATGACATA GTTCAGTAGC
33501 AATCAGAATA ATTGAACAT TTTGGCTCTA AGGGTCTAAA AACAAATGAGC
33551 AAGGTGAAG TTATCTCATT TGAGCAGATC TGTATAACCT ACATGGAGT
33601 TTTAAACATA AAGGTATTGG AGGCCATTT TAGTGAGAGA AAATATGCTT
33651 GGTCTTGCCC TTGTTAACTG GCTCTGGTTG CTTTTTTCAT CGAGGCAATT
33701 TATCTAGCCT TCTAATAATT CAATCCAAGT TTATCTGGCA AAACATTCTC
33751 TGGATTGAAG GATGATGGAT TAAGTATAGG TGTGTTTAC ATTCACTCTA
33801 CTTACTTTCC CAAGTTTTCC TGATCCTAAG CTTACATCTG TAGTTTTGAT
33851 CTTCTACCCA TTTTTTTAAT CTCATATTTT CAGAGATCTA AAAGGAATTT
33901 CCACCTGAGT ATCTAGGCAG TGTCCAAAAT TTAGCAAATC AAATGGAAAA
33951 TATCCTTTTC TTGGGTAGAT ATCATTGATA ATTCTGAAGA CTGGTAAACA
34001 GTATCACATG TGACTGTCTT CTCTTTGCCC AGATTGTTTT CCAAAGTGGC
34051 TGTACCATTT TGCATTCCCA CCAGCAGTGT ATGAGGGTTT TAATTTCTCT
34101 TCATCTTCAC TGATACTTAT CATTTGTCTT TTTGATTCTA GCTTTCCTAG
34151 TATGTAGTAT GTGTAAAGTG GTCTCCTTGT GGTTTTGATG TGCATATCCC
34201 TGATAACTAA AGAGACTGAG TAGTTTTTAA TGTGCTTATT GGCCATGTGT
34251 ATATCTTCCT TGGAGAAGTG TATTTGTTTG TTTTATATTT CCCAGTCCCC
34301 CATCCAGAAC TGGGCATACT GTAGGGACTC AAAAATGAAA GTCATAAATC
34351 ACTGTAGTCA GAATCACCTA CAGCTCCGAG AACTCAGCTG AAACCTGCTA
34401 TAGATCAAAC TTTCCACACT TAGGCCTAGA GATCTACATT TAAACAAGAT
34451 CCTGGGGGTC CTGTTTCACT CTGAAGTTTG AGTAGCATTG CCTTAACTAA
34501 AGATTTTTTTA AACATCTGAA GAGCTTCAGT ATATTCAGAG GTAAACATGA
34551 TCTATGCTGT TCTAGACTGC AGAAGTGGGA CTAGCAGACA AGAATCACAG
34601 GCAGGAGCAC ATTTGCCTCAT TAAGTGGTGT CAAGTTGAGT TTAGCTGGCC

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34651 CATCTGCCAC AGAAGGAAGT CTTGCATTGG GTAGAATGTA GGGCAGGTAG
34701 GGCAGGATGT AGTCTTTCTG GGGATGTTAT GCTATTTCTA TACCTGGTAG
34751 ACCCCATCTA ATTTTATTC TGCTTATGA TCAGATAGTG TATCTCGGTG
34801 TTGGCTATAT ATAAATGAC AAAGTCTCTT CTCAAGGACA GTGTGTAATT
34851 TTTTCTACT TCTGTTTCAT TTCCCTACTC TTGCTTTTCT CTGAGAAAGG
34901 GAAAACAAGA TTTACCAGT TCTACACAAA GTAAATTTACT TTAAAGACTG
34951 CTAATACATA TGTATCCTCC TTTCTGTTAT CTTATCAGGT CTCTCGGATC
35001 CAAGCAACAA AATAAGACTT AGCATATTGA CCGGAGCCCA AAAGGAATTT
35051 ATTATAAATT TAATGGGTGG GTCACAGATT CACCAAGGAT TTCTGGAGGG
35101 CCAGACTAAG GACAACCTCC CTGCCATCAC TGGTGCTGGG GCCCATGGCA
35151 CTGCTGCCAT GGAACCTCAT CGTGCTGCCT CTGCTACCAC CACAGTGGCC
35201 TTCTTTGAGG CCCTCATTTCT TGATGTCATC AGCACCCAAT TCTGAGTCCA
35251 GGGCATCAGA CTGTAGCGTA CACCATGTTC AATCAAAAGA TAACTGAGTT
35301 GATAACGAAT GAATTCATAG GGCACATGTA ACAGTAGGCA CCAAAGAGCA
35351 AGTAAACAA GTAAAAACA AACACAAAT AAAACCCAAA ACCCTCCTCT
35401 AGGAGCTTAC ATTTTAGGGG AAGAGCTGAG GCACACAAA CTGTTAGGC
35451 AACACATTC CCTATACCAA GGAACACGAT TTAGGGTGAC AGAACATGTG
35501 TGTAGCAGTA TAACACAGT GTTGTGGAGT AATTTTCATA TTGTGTGTA
35551 ACTTGGGAAT AGATGTACAT GGCAGCTCCT ATTTTCCCTG GAACTCTGAT
35601 CACCAACAA GGTATTCAAC CTTGTGATCT GAACCGGAGA ACCTTCCAGG
35651 TTAAAGGCTA AAAATGCCTT TGCAGACTTT CTCTCCTCTG CTGCCCTCTC
35701 ATTACTGTAG CCTGACTTTT TAAGAAACCA ACTTTGTTGA AGAATAATTT
35751 ATAGACAATA AAAGATACCC ATTTGAAATA CACATTCTA ATAGTTTGA
35801 CAAATTTGCA CACTGTGGTA GCCACCACCA GAAATAAAAT ATAGAACATT
35851 CCTACACCTT TAAAAAGTTA TCTTGTGCTC CTTCTAATCT TCCTCCACCC
35901 CAAACCCAGG CAAATACTGA TATGCTTCTG TGACTATAGG TAAGTCTTTT
35951 CTAGCGTTTT GAATAAACAG AACCATGTGG TATGGACTGT TTTCTGTCTG
36001 CTTCTTTCAC TCAGCATTGT GTTTTAGAGA TTTAGACCA CAGCCTGATT
36051 AAACAAGTCG TGGTGCTAGT AGAGATGTGA CTCCACAGCT CTGACTGTCA
36101 AGGAGGAAAG GAACCACCAC ATCATCTCCT CTATTCTGGC CAGTTCCAGG
36151 CTCCAACCGA TCCCCACTAA TGCTGTAGTA GGAGACTCAG GCATTCACTG
36201 TAATCAACTA CATAAAGCTA GGCAAGAGAA ATGGAAGTAA AGGGATCTCA
36251 GGGCAGTGTT GGCCACAGCTG ATGAAGATAA TCTCTCAACA GAATCAGAGA
36301 ATCTTAGGTA TGAATGAAGT TTTAAAAAAT TATTATTTT GTTATTTTAA
36351 GAGACAGACT TTTGCGCTGA TGCCCAGGCT AGAGTGCAGT GGCACAATCA
36401 CTGCTCACTG CAGCCTCAAA CTCCTAGGGT TAGGCAGTCC TCCTGCCTCA
36451 GCTCCCCAAG TAGCTGGGAC TACAGCCACA TGCCACCACG CCCAGCTAAT
36501 TTTTCTACTT TTTATAGAGA GGGGGTCTCA CTATGTTGCC CAGGCTGGTC
36551 TGAAGCTCCT GGACTTAAGC AATTCTTCTG CCTTGGCCTC ACAAAGTGCT
36601 AGGATTACAG TTGTGAGCCA CTGCATCTAG CCTGAATGGA GCTTTTACGT
36651 CATCTAACCC AAGCCCCTTA CTCTGTGGTT AATTAAGATA ATTCAGCAGA
36701 GTATTTTTCA TTCCAGGACC ATCTTCTCTA TGCCCTGAAT TCTGAGTCTT
36751 GAATACAAGA CAACTCTTGG AGGGCAACTG TCCTTTTTCT CAGATGTAGT
36801 AGAAAGGAAG GGGACAGAGT GGGAAACAGA AGCAAGAAAA AGGATACAGA
36851 GATAGGATCA TGAATAGAGG AGGTGGATGG GTCAGGTTTG GGAATAATGA
36901 TTAATACAGT CCCGATAGAT AGGGTCCAGT TGATAGAATA CCTTGAAGTG
36951 GAGGCTTAAT AAGTTTGTG TGATGGGGAA TACAAGAGAA GATCTTTAGC
37001 AAGAGAGTGA CATAAAAGTA GTATTTGAAA AATGATTATC CTTGAGCTTA
37051 AGGAAATCAT AGAGTAACTC ACCAGCCAGG AAATTTACTA CAAGTGTAAG
37101 ATTACCCGTA TGACCTAGCA ATTCCATTCC TAGGTACATA CCCAAAAGAC
37151 ATAAAAACAT ATATCCACTC AAAACCTTGT ACACAAATGT TTACAGCAGC
37201 ATTATTCATA ATAACCAAAA GGTAAGAAACA ACCCAAGTGT CCATCAACTG
37251 ATAAATGGAT AAACAAAATA TGGTATATCC ATACAATAGA ATATTATTTA
37301 GCCATGAGAA GCCATGAAAT ACTGATACAT GCTACAGTCT GGATAAACCT
37351 TGAAAAAAT ATGCTAAGTG GAAGAAGACA GTCACAAAAG ACTACATATT
37401 CTATGATTCA ACTTATATGA AATATCAAGC AGGCAAACCC ACAGAAAGAA
37451 AAGTGGTTGC CAGGGGCTAT GGAGAGTGGG GATGGGTAGT GATTGCTGAT
37501 GGATAAGGGA TTTCTTTGGG GACTGTGTTA GTTTTCCAGG GCTGCCATAA
37551 TGAATGCCA CAGACTAGGT GGTTTGAATA ACAGAAATTT ATTTTCTCAT
37601 GTTCTGGAGG CCGAAAGTCC AAGAATAAGG TGCCAGCAGG GTGATTTTTT
37651 TCTGAGGCTG CTCCTCTTGG CTTGTAGATG GCCACCTCCT TGCTCTGTTT
37701 TCACATGGCC TTTCTGTGTT TGTGCAAGCG TGTCCCTGGT CTCTCCCTCT
37751 CCTTATAAGA ACAACACTTA TATAGGATTA GGGCCCACTC TGCTGGCCTC

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37801	ATTTTAACTT	AATCGACTCT	TTCAAGACCT	TATCTCCAAA	TACAGTTACA
37851	TTCTGAGGCA	CTGGGGGTTG	AGACCAACAT	ATGAATTTTA	GGGGGACACA
37901	ATTCAATCCA	TAATAAGGAT	AATAAAGGGT	TCTAAAATTA	GACAGTGTTG
37951	ATGGTTGCAG	ACCTCTGGGG	ATATACTAAA	AGCTACTGAA	TTGTACACTT
38001	GAAAAGAGTG	AATTTAATGG	TACATGAATT	ATGTCTCAAT	AAAACCTGTTA
38051	GTAAACAAAA	ATAAAACTA	AACTGGACAT	AGCTCTTGCC	TTCAAAGAGC
38101	TTATGAGCCA	GTCAAGGAAA	CAAGAATGTA	AATAGGCATT	TTCAACCCCT
38151	TGCAGGGCAT	GCTAGATGGA	GATGTGCTTA	TTCTATTTTT	ATAGAGTAGA
38201	GAAGACATTC	TGGAAGAGTG	AACGTTGGAG	CCAACTTAC	AGAATGAATA
38251	TAAATCTGGC	AGAGAAAGGG	TAGAGACAGT	GTGTCCCAGA	CAGCGGAATA
38301	GCATAAGTGA	AGGCACAAAG	GCATGAAAAC	CCTGGCATGT	ACAAGGAAGG
38351	AACTTTACAA	CACAGTTATC	ATGCCCTTGC	TAGTCTGCTT	TCTCTTGTTA
38401	TTATTTAAAT	TTAAATGCTG	GATAAAGATT	ACATTACAA	TGAGTAGAAA
38451	GAGCTTTGGT	CTTAAAGTCA	GACCTCCTGC	ATTTATATCT	CAGTCTTTCC
38501	ACTTACTTTG	GACAATTACC	TAAACTACCA	GTCTCAGTTT	TCTTATCTGT
38551	AAAATGGGGA	AAATAAGGAT	GATTCTATAT	GGTTGTAAGT	CTTAAATGAA
38601	TGACAAGGAA	AACATTCCTA	GCACATTTTC	ACAAGTTATT	CCTTGAAATA
38651	CATTAGCTCT	GTCCATCTCC	TTGTTTCTCT	GACTATTCTC	TGGATAACTT
38701	GGTTTTAAGA	CCCTCAACA	TCTTAAATC	ATTCTTGAA	CTAACTTTGG
38751	TGACCATAAT	CCCCTTGAAA	TGAGGCCCTG	ACACCGAGGG	TATGATGGAA
38801	CCAAGTGTA	TGATACTAAA	ATCTTTCATA	CATTTCAAAA	TCAGCCTGGA
38851	ATATTGGCTC	TTTTAGCAGT	CACATACTGT	TTCATATTGA	ATTGGGGTGG
38901	TGGGGGAGGA	AGTATTCCCC	TTCCCACATA	CTTTCCCAG	AGTTTTTATA
38951	GATGAGCTGT	TCTGCTGTTA	AGTCAGGTGT	CACTCATCTT	AGATTTGAGG
39001	ATTTGATTTT	CTGCTACTTA	ACTATAAACT	TCAGGTTTTA	GTTTGCAAAA
39051	TTTAGTCTTG	GTGATTTCCA	GCTCGTGTTC	CAGCTTCTTC	AGTCATTTTG
39101	AAAAGGTGAA	TTTCCCTTAT	GCCTATTGAT	TATGCTGTCT	GGCTTTGTGT
39151	CTTCTACAAA	CTTGGTAAAT	GTGTCCTTTT	AGATTTTCAT	CCAAGTCATT
39201	AATAAAATGT	AAGTGAGGAT	ATTGTTAGGG	ATCTCAATGG	CATTAGGAAG
39251	TACCACCTGA	AAAAATGGCT	AAGACACAAG	AGTCCAGCAT	ATTTGGTCTG
39301	CTTGTTTGAC	CAGCATGAA	TCCACAAGAA	GACTGCATT	CTCCTGTATG
39351	AAAAGGATAT	CACAGACTCA	TCTCTTTGAC	ATGTTAACAT	GGTTTTATCA
39401	GATGGGCTGA	AATCATGATA	TACCACAAC	AATTGCTTCT	CTGTGATCTA
39451	CCAATCAACC	CTCCACAGAA	AGAAATTAGG	TTAATTGGC	ATATTCTCCA
39501	TAAGCCCATG	TGAGCTCCTG	CTGGCCGCTG	CTTTATATTT	TAAATTCTCA
39551	CAAGCCATCT	GTTTAATCAT	CAGTTCTTCA	ATATTGCCAG	CGATTTGTGT
39601	CAGGATTATT	GCTGTAATA	TTTTGAAAA	TACTGCTCAT	AAAAATTGGA
39651	ACATGTACAT	GTGCCTTGGG	GACAGGGAGG	GCAGGAGGGC	AACTCTCCCT
39701	TTTTTTTCCG	GATTATTTCAG	ACTATCAACC	TTGTGCAGAG	ATGTATTTTT
39751	GAGTTGTGTT	CTTGTTGTGA	AGCTCATTTG	ACTTTGACTT	CATAAACTCA
39801	GAAGGCAGCA	TCCCATAGGG	GTGAGATAGT	TAGATGCCCG	GGATTTGGAA
39851	GTGGGGGCCA	GGTGCGGTGG	CTCACGCCGT	TCTGTAATCC	TAGCACTTTG
39901	AGAGTCCAAG	GCGGGCTGAT	CACCTGAGGT	TAGAAGTTCA	AGACCAGCCT
39951	GGCCAACATG	GTGAAACCCC	ATATCTACTA	AAAAAAAATA	AATACAAAAA
40001	TTAGCCAGGC	ATGGTGGCAC	ATGCCTGTAA	TCCCAGCTAC	TCGGGAGGCT
40051	GAGGCAGGAG	AATCACTTGA	ACTTGGGAGG	CGGAGGTTGC	AGTAAGCCAA
40101	GATGACACCA	CCACACTCCA	GCCTGGGCGA	CAGAGCCAGA	CTTGCTCAA
40151	AAAAAAAAAA	AAAAAGAAA	AGAAAAAGAG	GATTTACAAG	TGGGATCTCA
40201	GTTTCAATTAT	TATTGAGTGT	GGTTTGTGAC	TTAACAGACT	CTGTGTCTTA
40251	ATCTCTCTGT	GTCTTAGTTT	CTTTATTTCA	AGAGGATTTT	AATAGTTTCC
40301	TAGCACAGTA	CATGGTGCCA	AATAACTGTC	TCATGTATGG	CGTTACTAT
40351	TGCCATAATC	ATCACCAGTA	TCACTATTTT	AGTGGGTAGA	GGTTTTCTCA
40401	TGATATATCT	ATATCTTGGT	CTTTGATTAC	CTCTTTAGGA	TATTGATTTT
40451	ATCCTTTTAA	GGTGCAATGA	AGTTTCTTAT	AGCTTTTAAT	TATTTGTCTC
40501	TGCTCTGCCA	CTGGATTGCA	AAGTCTTTGA	AGGCAGAGGC	TGTGCTGTG
40551	ACAAGTAAAG	TACCTTCCAC	AGATCAGGTG	CCCCATACAC	GTGCACGTAA
40601	TTAGAAACT	GGAATTAAGG	TAATAGTTGA	GAAGCTTTTC	TTAAGTTAGA
40651	CATCAAAGTG	CATTATTTCA	TATGTAAGTT	GGAATTCTGT	TTCTGAATGA
40701	ATPCTATTCA	ATAGAACCAC	TGATGTTCTC	CTTGGGAAAC	ATCTTCACTG
40751	TTATGTGACT	AAAATTAATA	CTGGCTTATG	ACACTCGGGA	TCCAAAGATT
40801	GAATACCCCT	TCGTAATAGG	CAAGAATTGT	ATCACATTAC	CATCAACAAC
40851	AGCAATAGTA	CTAATAGTTA	TAATAAAAA	ACCTTTCAAG	AAGTTTGGAA
40901	TTAAATTTGA	AGCTCAATCA	TAGCAATTA	TTCTGCCCAG	CATATTTGTT

40951 TTCTTTTCCC TATTTGTGTT CTATTCTTGC TGGTCTTAAT TTTTGTGTGT
41001 ATTATGTAAG TTATGTCAAA TTGTCTGTGA AATGAGGCTG AGTATAAATA
41051 CATTAAGGTA ATAAATTATG TAATAAGAGA TGTTCAAAGG GTCATTGGGC
41101 AGCTGTACTT TATCATTACT GGGAACAGAA CAAGAAGAAA CCAGTGCAAA
41151 CTATAGTTTA AAGAATTGGG GTTAAAAATGT AAGGAAGATT TTCTTCATAG
41201 TATTTTAAAA CGGACGGTTT TGGGGTCATA TCAGTGTGGG CTGTGGAATC
41251 TTCTCAGGAG GGCATGTAGT CCACTCCTGC GGCCTCTCTG AGTTCCAGTG
41301 TTCTCATCTG TAAGATGATG AAGCTGGACT AGCAGCTGTT CCCAGTTCTT
41351 TGTTTTTCAA TGAGATTTC AAGTTGCTGG GAAGGAGGGG TGAGTAGGTT
41401 GGGGGATGGA GGGGGACACA GTCCCTGTCT GTTGGTCTGC TCTTCAAATC
41451 CACCTCTGTG CCCAAGCCTC TAGAGAACAC TGGGGCTCTT CAACACTTTT
41501 AGCCCTGGCA GTCTTCCAGA CCCCTGCCTG TTCTCAGCCT TGCTACTCAA
41551 AGTATGGTCC CTGGACAAGC AGCTGCAGCC ATCACCTGAG ACCTGAGAAA
41601 TGTAGGCTCT CAGGCCCCAC TCTAGAGCTG CTGAACCAGA AGCAGCATTT
41651 GAACAGATCC TGTGGTGATT TGTATGCACA ATAAATTTCA AGAAGCACTG
41701 CTCTAAGACC CTGTGTCCCT TCTTTGTATT CAAGTATCAC ACTTTTGTAT
41751 TCTAATGTTT TCCTTTGATC ATATTAAACAT GAAAATATTT TGAATTATTC
41801 TCAGATTCCA GAATCTCTAG AAACAAAAC CATAGAAAAC CACGCCCAAG
41851 CTTCTTTTTT TTAGTGTCCC TTAACAACA TTATGTCCTG AGGAGGATGT
41901 CTCTGCTGCA GAGCTCCTGT AGACAACCTG GGCAGGCGGG AGAAACCACA
41951 CAGCATCTCT GTGACTGTAG CAAGTGCTTT GTGACTTTGT GTGTGTTACA
42001 AATCAATGAC TAAATCCATA AGCTGTCAAT CAGGGAAACT AGATCCTTCC
42051 TAGTAGTAGA TTCTCCTTTG ATCTGTCTGT GTAGGTTATG CCCTGACTTT
42101 TTAGGTGCAC AAAAATAGAC TTTTATTGGG GTATAAGCAC AACTCAGCAA
42151 AAATATAAGA CCCAGAATCA GTGTTTAAAC CCTCTAAGGG AAGTATGCTT
42201 ATACAGAGTT TCATTTTCTT CCCTTTCCAT CTCAAACCTA AATGCAGTAA
42251 CAACTGGCTT TATCCTATAG TTAAAAAGTT GTAGCTCAAG CCTGCATATT
42301 ACACTTGCCA TGATGATGAA ATAGAGATTG AAATTTAGAA TTATAAACTT
42351 TTGCTATTTT GGCTGTCTTA CTGTTAAGAC AGCCAAACCA CTGCTATTAT
42401 TCAACCATTT GTGGAAGTCA GTGTGGCGAT TCCTCAGGGA TCTAGAATA
42451 TTTATTAGTT GTTTATTAGT TTAACAACCT TCTTGCCTAG ATTATAATTT
42501 AATTTTACTT TAAACAGTGT TTATCTTTTC TCATTTTAC CTACTCAAGG
42551 AAATGGAGCT AATCAGCTTT TGTGCTTCT TAAACTCAA TTTGTTACTG
42601 TATCTTGATT TTATTGTCAT CTGATTGTCT CATTGAAATC TGCAATTCTT
42651 GTATTTTCTT GTAATATTCA AAATACAAAC CTGGTGGGAC TGTAAACTAG
42701 TTCAACCATT GTGGAAGTCA GTGTGGCGAT TCCTCAGGGA TCTAGAATA
42751 GAAATACCAT TTGACCCAGC CATCCCATTA CTGGGTATAT ACCCAAATGA
42801 CTATAAATCA TGCTGCTATA AAGACGCATG CACACGTATG TTTATTGCGG
42851 CATTATTTCG AATAGCAAAG ACTTGGAACC AACCCAAATG TCCAACAATG
42901 ATAGACTGGA TTAAGAAAAT GTGGCACATA TACACCATGG GAATACTATG
42951 CAGCCATAAA AAATGATGAG TTCACGTCCT TTGTAGGGAC ATGGATGAAA
43001 TTGGAAATCA TCATTCTCAG TAAACTATCG CAAGAACAAA AACTAAACA
43051 CCGCATATTC TCACTCATAG GTGGGAACCTG AACAATGAGA TCACATGGAC
43101 ACAGGAAGGG GAATATCACA CTCTGGGGAC TGTGGTGGGG TGGGGGGATG
43151 GGGGAGGGAT AGCATTGGGA GATATACCTA ATGCTAGATG ACGAGTTAGT
43201 GGGTGCAGCG CACCAGCACG GCACATGTAT ACATATGTAA CTAACCTGCA
43251 CAATGTGCAC ATGTACCCTA AAACCTAAAG TATAATAAAA AAAAAATACA
43301 AACCTGGAAT GAATTATTCA TTAGAATATT GCATTTTGAA TATTAACCTA
43351 ACATAATTTT TAAATTTGGA GCATATAATA ATTGTAACAG AAGCTAACCA
43401 AATTATCTGT GGTAAATTTT TTTATATCCT TATTAACATT GTTATGCTCC
43451 TTAATTTCTT CGCCTGCATA AGTAGGATCT TTGCTGTAAG CTCAGAACTT
43501 CTCAAAGCGT AATGGAGTGA ATGAGTGATT TGTGCTTAG AGTCTTATGT
43551 TATCAATATT TATTTTGTGT TTTAAGGCAT ATTACTACTT TTCCATTGTT
43601 TAACAATTTT AAATCAATGA ATTTTGCTCA GTTGAACCTT TAAAAAGACT
43651 GGCCCTCAAA CACACAAAAT TATACCTGCA GGGTTGTGGT ACTTGGAAAC
43701 ACCTCACAAT GTAGACTTCA CCACCTTGTT AGGAGAGTAA GTCCTGAGAA
43751 AACTGCCTC CCTCTTCTGT ATGATGTCTT TTCCCAAACC TCCAAATCTG
43801 CCGTGCTATA ATTGGCAATA TTCCTAGCTT CCGTGAGATT TCTGTAACCTC
43851 TCAAATGATA ATGAAGAACA GACATAGGGT CATTAGTGCC TCATCGAAAG
43901 CAAAACCATT ATTCCAATCA CAACGACAAG TTGTTTTTGT TTTTTTCTTT
43951 TTTTCTTTAA TGCTAGGGAA GGAAGAAAAG CAGATGTCAG GAGTTTTTGT
44001 TCTTTGAAAA ATGAAAAATT TTAGACTGTC TTAATCATTA GACACTGAAG
44051 ATCTCTATAC TAACAGCAGA AAGGGAAAAC CATTAATCTT GGAGACAAAA

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44101 GTCTATTCTT CAGAATTGAT GGTCTGTTTC CTCCTTCAAG AGGTAAATGG
44151 TGGCTCCATT GTAACCTGCT TTGTGACCTT GGATAAATTG CTTAATGTCC
44201 CAGGACTTCA ATTGATTGAG GTACTTTGAT TATCTGCTTT CTGAGGGTCT
44251 TGTCCAGCTT TAAAATTCTA CAAAAACATA AAATCCATTT CAAAACCTGA
44301 AAAGAAGCTG AATATGGGGG GAACACATTA AGAAAATTTG GTAGCTTTGT
44351 GCTTCTCTTG GGCCAGGCCA TTACAATGGG TATTATCATT TCTCTGAGAT
44401 ATTGTGAAAC ATCAGAGCAA AACCTTTTTT TTCAGGTATG AATATCTGCC
44451 ATTTTTTTGT CTATGCTAAT GTTATTATCA GCTCCACG GTAAATTCAGC
44501 TTCCAGATCA AAGCTATTCC AGCAAGTATG TTAGCAAGCA AATTTTTATA
44551 AACTTGCATT TTTAGTACTT TTTTATCTCC TATCACTAGA GAACTATAGA
44601 AAAAGGTATA TTTATTACTG TTTGTAAAGT GTATTTTCTT TTTCTTTTCT
44651 TTTTGGCAG GAGAGAGTGA AAACCAAATA TTTTAAGAAT TCTTTTTTTC
44701 TTGGTCTTTT TCAACTCAGT ATTTATTTTA AAATCTTTAT ATTTTTTGAT
44751 TGGCGAATCA TCCATTCCCC TTGCTTCACT CTTTCTTTTC TTGCCTCTCA
44801 TTTTAGATTA TCTTCTGTTT GCTATTATTA CTTCTATATC ATCACCTAAG
44851 GGAAGAAGGA TAACACTGGT GGAATTTTAA TAATTTTGAA TTCTGATGTT
44901 TTTAAATAAC TTAATAAATT TTATATAAAA TAATTTTGAA TTATGTTTTT
44951 AAATTAACAA AATATCATGT TGTTTTAGTT TTGAAATGTA CTAATAACAA
45001 AGAATTTTTA GTCATTTATC CCCCAGTTTT TTTTCTCACA ATAGGTTTCT
45051 TTCTGTGTAG TTCCTGTAGT TTCATTTTGT CATGATTTTT AAAAGATTCA
45101 TATCAATGCT CAAATAGAAA AGAGCCAAGT TATACATTTT TTGTTTAAAT
45151 TAGTAGACTC ATTAACCTGCT TTCTAAGTAA GTAAGACATA GCCCAGTTCT
45201 CAAAGGGCTT ACCTTTCTTC TAATCTTTT ATACAGCATA GCTATACCTA
45251 AATAACTTTA TCATTTGGGT TTTTATAACC TTAAGCATTT ACAAATGAGT
45301 GGAATATTTA CTGTACTACA TTCTCTACCC CTGATTCTAA TCTCTTCTTC
45351 TTTAAACATC TCCTCTTCTT TCTTGTAGCA AAGTGGTAGT ATCAGGAAAT
45401 GGCTGATGCT ATCAAAATGG CTTAAACAAT AAGAACTCT TGTCCTCCTA
45451 TCAAGAAGTC TAGAGAGAGA GCAATCTGG TTTGACTAAT TCAGCAGCTG
45501 AGCAACATCA TCAGGGACGT TGGGGCCTTC TCTCTTACCT CTCCATGTTT
45551 CTGCCACTCA TGTTAGGGTG GCTTACTTCA TGGCTCCAGC TGGCTGCCAT
45601 AGTTCAAGGA GTACATGCA GATGATCACA TGCAGAGGTG GATTAAAGAA
45651 GAGTTTCTCT TCATGCTTCT CTTTTTATCA GTGAGGAACA TCTTTTCCAG
45701 ACCAATTATG ATTCACCACA GGAAGTAGGG GAGGATCCTC CTTTCCAGAG
45751 CATATGATGG TAGGGGTGTT GGGGGATGAC TGTGTGGGGT AGGCAGTCAT
45801 CAGTGTCTCT CACAATAAGG AGGCCACAAT ATTCTGATGAC TCTGCCCATC
45851 TGTATAAATA AGAAAAATAG AATTGCTTGA CCATTTGTCT CAGGTTGTGG
45901 GGGAGAAAGA TAGGGACAAG GAGGAGCTGT ATATGATTTT AAGGGGAAGT
45951 TAGAATTGAC CCAAGGCATC CTTGGTTGTA AAGAGAACTT TTAGAGAAGT
46001 AAATAGAAAG AAGTTCCAGA AAGCTGTCTC CTCCATGAAG GGAATCCACT
46051 CATATTGTAG GTAAAAGAAG AGGGAAGGGC AATTTTTTCT CCACTCTTCT
46101 ACGAGACAGC CCCAGCAGCT TTTATGGAGG CTGTGACTTA GAAATGGGGG
46151 GGAAATGGCT GTCATGTTGT GAGGGCACAA ATGCACAAGC TTTTTTAACA
46201 CTGCCTGAAC AAATGCAGAG TTTTGTTGCT CCCCAGTGAA TTAACATGCT
46251 CTGATGCATT TTTTTTGGCT TGGCTATCAA CTCTTTGGTC ATGTGCTTGG
46301 GGAAGGGCTT TGCATGACAC AGCGGTCAGA CATTTTATCT TTTCTCCATG
46351 TGACTTCCAG GAAGCCCTCT AGGGAAATGC AGGACATGGT CCATTTGGAC
46401 GCCAGCTCTA TTCTTGCACT GACACAAGAG ATTCTCTGCA GAGAACTCCA
46451 GGGAGCACCA GCACTATTTT CAGCCTTGAG ACATGTGCTC AAGTCATTTT
46501 TATTTTGCTT ATTTATACAG ATGGGAAAAG TCATAGAATT CACATGATGG
46551 TTATTAGATA TTTTTTATTC ATGCAATATT TGTCTTCAAA CCACCTACTC
46601 CTAGAATTTT TGTTTATCCT CTTCTGCTCC TTAATACTAA AAGGCAATTT
46651 GCAATGATTT GTTATAGTAC CAGCACTGAG ACACTGCATG AAAGTTGTCA
46701 CCACAAATGG AAATATAATC TAGACAGCAG CCAGAAATAG CATGTTTGCC
46751 AAACAAAAAT ATCTGAAATA ATTTTACTCC TTTTTTGTTC TTTATTAGCT
46801 GTATTATTAA TTAATTTGCTT ATTATCTGTA TGTAATACTC ATATGCTGCT
46851 AAAATATTTG TAAACAAAAT CAGTCTTGAA AAGCATAGTA AATGGAATTT
46901 ATCTATAGGT TGAATTTGGT TTGAGTTTTC ATTGTTGAAT ATTTGAGGCA
46951 CTTTATTTTA CTTTGTCTAG GAATCTTTAT TTGCTAGCCA TCTTCAGGAG
47001 TATAGGGAAA CCGGGCCAGA ATTTAAAATG GGAGGAATTT CCTTTATTTT
47051 TATCCTGTGG AAGACAGTGT TGGGGTCTTG CCTATATCCC CTGGGCACCT
47101 AACATTTTCT TATGCATGGA CTCAGCCTCC AACTGCCTGC ACATGCAATT
47151 CTGCCTGAGT GCTCTTTCTA GCCATTAGGA TTTCTGTGCT TCTGGCAAGG
47201 GAGAAGAGTG GAGGAATTAA TACTTCCAGG GAGCAATTTT AGCCAGTGAA

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47251 TAATGGGAAT TGGTGGGATTA GTATCCCAGC CCCATTACTC CTCACCCCTT
47301 GGGCAGGAGA ACTCTGAGGT TAATGTTCTA CACTAGCTCC CAGAGTTTCT
47351 TGACAGAATT AAGCTCCAAC TGCCCTCAGT GATAACTGTC TTGATGATAT
47401 ACCCTTTCAT GGCTTCCTTC CCCTCCTGTC TCACTTCCCC ACTTTCCTAT
47451 TACTTCCCAA ATTACTACTT GCATTCAAAT CCTTGTCTCA GGGTTCGCCT
47501 TCTAGGGGAC CCAATGAAG AGAGTCCCTC AGAGCAAAGC ATGGCTTAAT
47551 GGGAGGGTTC CTCATGCTTA TTTTAAAGAT CTTGCTATGT AAAGCTTAAA
47601 TATTTTTTGG AAAAAATGGG GAATAAATGG GTGGAGAGGA AGGAAGAAAG
47651 AAAACAAGGA GGGGAAGGAGA GGTTTATGAA CCTGACAGTT TTACAGTTTT
47701 ATATGTCTCT TAAAAAATAC TCCTCCTCCC TGTAACATTT TAATTCACAC
47751 TTCCATAATG TATAGTGTGA TTTTGTGTAT GTGTATGTAT GTGTTTACTC
47801 TAAGGAAATA TACAGCATAT ATAAAAATAT GTAATATATA ATATAATGTA
47851 TAAAGTCATT TTTTAAAGA GCATATGCT GATTAACTTT CATAGCCTAT
47901 TCAGGTAATG CAAATGCAGA CACTCTTCTA CTGGATATTG ACTTATACAG
47951 GGCAATGGT AAAGAATGAT ACATTCATTT ATTTTGCTGC TTGAGCTCCA
48001 CCCAGGGAAA AGGCAATGCA GCAAGTATAA AGCGGTTTGC ATTTGCAAAA
48051 GTGAACATCC TGAAGCTCTA GTCCGTGGAT TTTGCCTTTT CTTCCTGCTC
48101 AAAGAAAGGT TAGGAATCCT ACTGCCCACC CCCAGCTCTA TTTTAGCATT
48151 TATCATGAAG TTGTCCAAC TTTTATATAC TTGTTGGCCT CCCCATGGGA
48201 CTGAGCTCTC TTGGAGGGCA GGAGTTTTGT CTTTTTCGTC TTTATATCTC
48251 CAGCACATGG CATGGTATTT GGCACATAGA AGATAGTTAA TAGACAGTAA
48301 AGTAACAGAA GCGTGAGATT TCCTGTCTCA AAGTCTTGG CAGTTTGTTC
48351 CTCAGTTGCT GATGTCTGCC ATGGGCACCT ACAGTTTGCC ATTCCTGCAC
48401 TGCACCATGA TGCCCTTTA ACCCTGCTG TGTCCAAAG CTCTGCTACA
48451 TGTTTGTGAT CGGGGTACGT AGAATGGACA AGATGAATTA GAGAGTTCTA
48501 ACCCCCGAAT GAGCTAGTTC CACGGGTTTA ATTGTTAAAA AACAAAAAGC
48551 AGTGCATATT GTGGCATATG GGGATAACCC ATAAAATAAT TTTGTCCTTT
48601 AATGTGACAC AGACATAAAA ATAATATTTT TGTTTTACCA AGGGAAGGAA
48651 AAACAACAGA AATAAAATGA AACTCCATCT GTAGTATAAT GTAGTATACT
48701 TGCTACTAAC CTCTACTCTT TTTTTTCCCC TACCAGCTAT TCCTTTATGT
48751 AACTTTGTTT CCTGGCTTTT CCATTATTTT TATCAATGTG CCAATTTTTT
48801 AAATAAATAT TACTCTCTGC CATTATATAT CTTTTTCATG CCCCTTTACT
48851 TTTAAAAGTT ATATATCATA TTAAAAGAGA TGAAATAACT TTAAAACAGG
48901 ATGTTTTCCA CCATCAATTT CTATCTACAT GTAAATGGAG AAAGAATTAC
48951 CGCAGCCTTA AATACATTAG AAGAGTCTAA GGTGGAATG AAAATGAACC
49001 CAAATGAGCC AGACCTTGG AGGTTTGGCT TTCATTGCCC CAAAGTGTTT
49051 ACAGTTATTT TTGGTAAACAC CTGAAAGTAC TTCTGTGATG CATAATTGCA
49101 CTGATCAGGA CTCCCAGGTG CAGGTAAGAG CAGCCACCCT TTGCCAGTTT
49151 AAGCAGAAAA GGATTTGTTA CAGAACACAG ATAGTTCATA GCAGTGGTGG
49201 GAGGGCTGGG GGAGCAGGCT AGAGGGCAGA ACATCACCAG TGAAGTGACC
49251 TAGTGCCCTT GAGCTCAGGG CCATGCTGTT TCTGATGACA CATATATTTG
49301 CAAAATGGAG ACGCCGTGCC ACCTGTGTTT TTGATGCAGC TCACACTCAC
49351 ATCAAAGTGT TGGGTGGATG CAGCTGACTG ACAGAACCTA GGTCACACAT
49401 CAGCACCCAA GCTCAAGAGA GGCTGGGAGT CATAGGGTTG GTTTGTCTGT
49451 TTTTATCTCT CCAGGGGAGG CAAGACTCAC AGCCCAGGGA TCTGCCACAG
49501 TGTAAAGGAAG CTGTCTAAAG TGGGCAGCCA CAAATGACAA GTGTCTGCTA
49551 CAATAATGTC TCATGAAAAC AGCAGTAAGC AAATTGTGTA AGCTGTTTGG
49601 CCTCTACTAT TAAGAAATAC ATGTAGCAAA AAGATTGTAA GGAAATACAC
49651 AGAAATGTTA ATTCTGATAA TTTCTGTGTT GGATTGTGGG TAATATTTTC
49701 CTATATGTTG GTTTTTAAAT TTTTCTATAA TGAAACTATT TCCTTGTAAG
49751 TTAGAAAAAA GAGACCTTCC CATTTAAGAA AGGCAGATAA AAATAATTCC
49801 TGCCCTCCTA GAGGGATGAA AAATCTTAAA ACCCCTGATT ATATTTCTA
49851 ATCTCTCTTT GTAAAAACAG CAAATGATAA ATAAAAAAC ACAAAGCAA
49901 AATCCAAAGC CAAAAAGTTA CTCGTTTGTC TAAGTTGAAA TTAAAAATTC
49951 CTGTGGCTTA GGCTAAGTGG GTACAGTAGC TGCTAATCAC ATCAGGCTCA
50001 CAGCTCTGAA ATCAGAAAGG CCTCAGACAT CCTTACCTCA ACTTTATAGC
50051 ATTCAATTGCA ATTTGAAGCT TTGAAAAACA CAACCATACA TGTTCACTGT
50101 GTTCACTGTT CATATGTTCC TCCAGATCCT TTCTCTTTAG TCTTGGTCTT
50151 TTCTTTTAAA ACTCAAAAGA CATGTGTTTG ACTCATATT CTGTAGTGAT
50201 TTCACTTTT ACTGAAGCA GTGTATGCTG CTGGTTGAAT GGGGAAATG
50251 TGAAGAGATA TGTGAAATTT TGGAGAAAAG TAACCCTTAA TTAATATCTC
50301 AAAGATATCA TCTTCCCAT TTCTGCAAAA GGTAGGCCAA TTTCAAGGGA
50351 ATGAAATTAG CCATAGTTAT CCCGAATTTT CAAAGTTATT CTCAAAGTTT

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50401	GTCAAGTTAC	TGATGCTAGA	AAGAAAGAAA	GCATGTAAC	TGGGAAGTCT
50451	CCGGGGATGC	CTCGTTTTGC	TACTGTCTTG	AAATTTCTCC	TGAGTTGAGG
50501	CTCTGATAAA	ATAAATGTCT	GTCATGTTAT	TTAGGAGGGG	TGACAGGCTG
50551	GAATCACTGA	GCAAGTGACA	AACTGTCCCT	TGACTTGGTA	AGTTTCCATG
50601	CTGTCTTTGG	CTGATACAGA	TCTCGTATTA	AGTGATATGC	ATGAGAGCTT
50651	TCCTCTGTCA	GCTCAGTGAC	GTGATTTTAG	GTAAGGAAGG	TGAACGCTCT
50701	CGCATGACGT	AGAGAGATTA	TAATAGATAT	CACCTGTCTT	AATAGCCCTA
50751	CCTTCATCTG	CTAAACTGTG	GACAAATGAG	ATTTTATGCT	TTATCATCAA
50801	GGTGCCAGAC	GGGGCTCAGG	TATTTACATT	TTATATGTAA	AATTGCTCAT
50851	GCTCTGCTGC	ACAATAGTTG	GTGTTTGCAA	GGAAAAATAA	GTATCCTGAA
50901	GCTTTTTTGA	GCATTTTATC	CTTCACAGCA	AGAGAATATT	GCAAGTTGGT
50951	AAGACTTTAT	ATTGTCTAAT	TTAACCACGT	TGACTTTTAT	AAGTCGATCT
51001	TAGCTGGGGT	ACAGTAAATT	ACTGAAAAGC	TCTATGAAGA	TGCTTTTGTG
51051	CTTCGCCTGC	TGCTTTGTAA	TCTTCAGTAG	TTAAAAAAG	TGTCTTGTAT
51101	GTCATTTCTA	GCTTCTTTGG	GTATACTAAC	AGTCTGAAAT	GCCACTCCTA
51151	ATAACATTAG	GTCATTTTAA	ACCAAATTCT	TGATAGAACA	GCCTTTCTTC
51201	AGAGTGTTAC	CAAGCAGGCA	TTTCTCTAGA	ATCTACTTCT	TATTAATAG
51251	GAGCCTAATA	GGCTGTTTTA	AACCAATGTG	AAAACACGTT	AGGGGAAGGA
51301	AGACAAGTGT	TCCAACTTTC	TGTATTGTGAG	TCACATTTAA	AGACACCTGT
51351	TAATGGCATA	GTTGAGTCTT	TGCCTGTGAG	GTTCCTGAGG	CAGAGCTGCC
51401	CTTTCTAATG	CAAATTGGCC	TCCTCTTTGT	GGAAGCAGCT	TATGCCTGCT
51451	GTTGGTTGTC	TTTTGGGAAT	GAGATGAGTT	CAGAATGGGA	AGACCATGGA
51501	GAATATTTAA	AGTGAATAAA	ATATTAAAGG	ACTCAAATTT	CAGGGGAAGT
51551	GACTTCCCAG	TAATGGTCAT	CTTGGATTAG	AAGGTTTTCC	TTATGAGATT
51601	TTTGGAGAAT	GGAAACTTAA	CCCAGCTTTT	ATTGCTCTGG	GAAAAAAAAG
51651	GTCAAACGTT	ACCCAACCCC	GGAATAGGAT	AAGGGCACTT	TCTACATTTT
51701	CCTACTTAGG	CTCTCAGCTT	CTAGGACAGA	TTTCCTAACT	TAGAATTGTA
51751	ACGAGTTTTT	AATTTTGTTC	TGTTTTGTTC	TTTTAATTGT	AGTCTCTCAC
51801	TGAGAAATGG	GATGGGGGAA	TACTATACAA	TAGTGTGCTG	ACTGCAATAA
51851	CAAAACTTCT	AGACCCTGAA	TATGAACAAA	GAAGAAAGCT	CTACCCTTGG
51901	TAATGCCTGA	GGATATTACG	GTTCTTCCAT	TGTAACACAG	AGCGAGAGGC
51951	TGTGTTGAAT	TACTGAGAAG	TTAATAGCAT	AATCACATTT	TTAAAAATGG
52001	TAGAAGCTCT	TCTCTCCAAT	GTGATTGAAG	CTGGTACTTG	GTTAAAAAAA
52051	GGAACAATTT	TTAAAAATAA	ATGACATTAA	TTAAACATT	TACATCAACT
52101	TAAAAATATAT	AACTGTACAT	TTTCTCCAGT	TTTTGGCTGT	ATAGCCAGCA
52151	TCCAATGTCC	TCTGGTTTGA	GACTCCTTCA	TCTTTTTTTT	TTTTTTGCAT
52201	AAACTACATC	CATAAAATAT	ATATTATTTT	TATATTATTT	TTTTAGACCT
52251	AGTTTCTAG	ATTATTTTTC	TGTAACAATC	TGAATTFCAG	ATACTAGATT
52301	TTACATTTT	TAACCTTTTT	AGAAGTGTCT	TTTCAGTTAC	TTGACAGCTG
52351	TTTATTTTTG	CAACTTTTTA	TTTTCAAGTT	TTTTGGTAAT	CATTTGACTT
52401	AGTTTTCCTA	GCAGAGATAA	CTTTCACGCT	CACCTTTCAT	TTAAGTTATA
52451	TTGAAGTCAT	AAATTTACAA	TGATGAGCAT	AACTGGCAAT	AGCAGGCTTG
52501	GGAATAAACA	CAATGACTTG	GTAAGCATAC	ATCTCAACTG	GGAGGCGAGA
52551	AGTTTCATGG	GATGCCAAGG	AGAGCTTATT	AGCTGGAGGC	ATTCCCTGTG
52601	GCAAGGGCAT	CTGTCAGCAT	CTGTTAGGAA	GGACTGGAGA	ATGATGGTTA
52651	ATCTATGCAT	TGGTTAAAGG	GCCTAAAGAA	ATTTTCTACT	ATAATACATT
52701	TTTATTGATA	TGCATAAGTA	GCAACTCCTA	AAGAAGATTT	TTGTAAGATG
52751	TTTTCTAGTA	CAGGTCTCTG	AGAAGTGTCC	CTAATGAATC	GCCAAATGCT
52801	GCTTATAATC	ATCAGACTGT	GTCTGCAAC	ATAATTTGGT	TTCTAAGATA
52851	TTTTTTCTTA	TAGTCTAGTT	CACACTTTGG	TACTATAATT	GATTTGTTTA
52901	TCAGACTCTT	TTTTTTCTTA	GATGGGAAGA	GATAATGTTT	TGGTCTATTG
52951	CCAAAGAGTT	ATCACAATTT	TTAAATTAAT	GACTTGGGGA	TTTAATGAGC
53001	TCTTCTTTCA	TTTATACATG	TTAGAAATAC	TAAATATCTC	TATTAATGTT
53051	TTTAGTTAAT	TTTTCTCTGT	AAATACTGGT	AGTAATGAAG	TATGATATGC
53101	CAAGGATAGT	TTTTAAAAAG	AAATAAATAA	ATATTGCTCC	TATTTGATAT
53151	AAGTCGATAT	TTTTGGAAAA	TTTTAAGCTG	AGAGAGAGAA	GCATGGCTGT
53201	GAGTGTGTGT	AAATACATGT	AAATACATAC	ACAGAGGCAA	AGAGAGACAC
53251	AGAAAGAGGC	AGAGACACAG	AAGGAAAGAT	AGGCAAAGAA	AGAATAAGAT
53301	ACAGGGAGAC	AGAGTGATGG	ATTACATATA	TATATGTGTG	TGTGTGTTTG
53351	TGTGTGTGTG	TGTGTGTGTG	TGTGTGTGTG	TATGAACACA	CATAGAAAGA
53401	GACAGACAGA	AATAGATAAC	TATAAGAGAA	ACCAAGAGAC	ACTGAAACAT
53451	CTAGAGAGGT	GGAGGAAGGG	CCACCCGAGC	AATATTGCTC	AAGATTAGTT
53501	CCATGGCTGC	CCTTATAGAA	CTGTAGGATA	CACAGATGAG	GAGGTGAGAG

53551 GCCTTGGGGA AGCAGGACAG GAAAACAGGC CCAGGTCCCA CCAGGAGACA
53601 CAGTCTCATA ATAGGCAATA CCAGATATAT GAGTAGGTCA CAACCTGGGC
53651 ATTAATTAAT GGCTCTGTAC CACTTGATGA TATTTGTAA ATGTGTTTTT
53701 CAGCTCTAAA TGTTTTTAA ATTTTTTTTG ATCTCAGAAA GGTAATAAG
53751 GAAATATCTG TTGGAGAACT AAATCCAAAT GAAACTGTAC AGGCCAATTT
53801 GGAAGCCCAA CTCCTCTCCA AGCTGGACCA CCCAGCCATT GTCAAGTCC
53851 ATGCAAGTTT TGTGGAGCAA GATAATTTCT GCATTATCAC GGAGTACTGT
53901 GAGGTGAGAC TCTCCTTTTC TCTTGGAAGT CTTTATAAAA ACTTGCTGAA
53951 TGGTAAAAAG CCTTCTGTAA AGAGATCTTA AAAGTCCAAT TATCACACCA
54001 TAAATTGAAC TGTAAGACCC TGGGATCCCA TGTCTTGCAG CTAAGAATGA
54051 TTATCTGTAG ATAATTGACA AAACCTGTTT CTAAGGAAGG GTTTTTCCCT
54101 CCATTGGCAA ACTCAGTAAA AAAGAATATA TTTTAAGGTG GAGGCCAGGT
54151 GTGGTGGCTC ATACTTGTA TCCAGCACT TTGGGAGGTT GAAGTGAGAG
54201 GATTGCTAAT CCAGGAGTTC GAGACCAGAC TAGGAAACAT AGTAAGACCT
54251 CCATCTCTAC AGAAAATTAA AAAAATTAGC CGGGCGTGGT TGTATGAGCC
54301 TGAGTTTCCA GCTAGCGAAG AGACTGAGGC AGGAGGATTG CTTGAGCCTA
54351 GCAGTTCAAG GCTTCAGTGA ACTGGGACCA TGCCATCGCT CTCCAGCCTG
54401 GGCGATAGAG TGAGACCCTA TCTCTAAGAA AAACAAAAAA CAAAAAGGAG
54451 AAATTACTGC AGAAGAATGC ATCAACAATT TTTTGATAGG GGAAGGGCA
54501 AACCTTCTAG AATGGTCTGA TGCTTAGACG GACATTTAAA TGCTCTAACA
54551 GATGCTTGGT TAGAGTAGAG GTATATGTCC TGAGTTTTGG ATTCCAGCTC
54601 TATGGTTTAA TTTCTTCAGT GGAAGTTTGG AAATGGAAT ATGGCTTTTT
54651 TCCCCACAAG AATTCTCAT ATTTATCAAT TTGTGGTTTA CAGCTGAAG
54701 TATTTACAGT TTTTCCAACC ACTCTGAGTT CTATCCAAGT AATAGCTGTG
54751 TATTTTACTG AGCCCCAAGG GAGTGTGAAG CTGCTTAGAG AAGTGGGAGA
54801 GGGGAAAGTG GACAATGTGT AGCTGCAGTG TGAATCTGTG TGTTTACTCC
54851 TGAGACATTA TGGAGAGAGG ATTGACAGGG CTTGGGTGAG GTAGAGAATA
54901 CCCAAAGATG ACTACGCTCA AAAAGTATCT CCCAGAATAT TATGGAAGCT
54951 AGGGTTAGCC AAATGCACCT TGGGAGAATT TGGTACTGTT CATACTTAG
55001 GATGAAGTCA GCTTATCACT TGGATGTTGC TGGAGCCCA AAGACATGAG
55051 GGAAAAAAGA TGCTCTTTAG AGTAGACGGC AGTTCTGTTT GGGCCAGAAA
55101 CTTTGACAA CTGACCTAA CTTGAAGGTG CCATTTGTTT GAGAGAGAGA
55151 AAAGAAGAGA CAGGAGAAAG AAAAGAAGCT CAGAAGGAAA AGGGATAGCA
55201 GCGAGAACAA CCTTGCCCTGC TTTACACATT AGCTGATGTA TCACCCAAAA
55251 TGAAACCAAT AGCCAAGTTA AAATATCTGA ACAAGTTTGA AATATTCCAT
55301 GTCTTGGCCA TTCCCTTCA GGTGAGCCTC AGCCTTGCTG GGTATTTTCC
55351 CATCTATGTC TTGACCCTGC TTTGCTTGGA GGAAAGTGA CAGGGTGGAG
55401 GGTGAGTGA GAAGAACCAG GTCATTTGGA TATCTGGTTG TCCATCATCC
55451 AGTGGATTGC TGAGAAAATC AGTAAGATGA TGTCAGGTGT GATCAGTGAT
55501 ATTGAATATT TACTCTGGCA AATATGTCAC CAATTCTGTC AAAACTACAG
55551 ATACTTGCAT ATGCATATGT TGCATACTAT GATCCACCTG CTATAATTTG
55601 TTTATTTTAA TTTAGTTAGT TTTAAATTTAA ATAACCATAT GTGGCTCCTC
55651 GCTACCGTAT TAGACAACAA TAGTATATGT TGCTATAACT TTCTTTCCCT
55701 GTATTAATTG AAAAAATTTA TAATTTTAAAT GTAATTTTAA ACTACCAGAA
55751 ATGTTACAAG AGTAACACAA TGAACCTCCA TATGCCCTTT ATCCAGATTC
55801 CCAAATTGTT ATTTTTCCAC ATTTGCTTTA TCTTTCTACC TACATTTTTT
55851 AATGAACCAT TTGAGAATAA GTTTCAGACA TGATGCTCCT TTGCTCTAAA
55901 TATAATACAG CTGTGAGTAT TTTCTAAGAC CAAGGACATT CTTTTATGTA
55951 ACCATAGTAC AGTAATCAAA ATCAGGAAAT CAACAGTGAT ACAATGCTAG
56001 TATGAAACCC AGTGGTTCTC AAAGTGTGAC CCGAGACCAG TATCATCAGC
56051 ATCACTTGGG AACTTGTCTAG AAATACAAAT TCTTTGCCTC TACCCAGCC
56101 AGCTGCATTG AATCAGAAAT TCTGGGGGTG GGGTCTGCTC AATCTGTGTT
56151 TTGACAAGCC TGCCAAATGA GCCCAAAGCA TACTGAATTT CGAGAATCAC
56201 CCATCTAATT CACAGTCTAT ATTGCTCTGAA TTACATTCTT AGAAGGGACA
56251 GTTCTATAAG ATTTTGTGTT TTGTTGCAGA GGATCTCATC CGGAATCATC
56301 TGTGTTGATT TTTAAATGAT GGGTGGTTTC AGTGGGCTGA GCTGCTCTCC
56351 CGGGAGGGGC GTTTGCCATG GTGATGGCTG CTGGCAGTGC TGAGAGACAG

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56701 CTGTGGGGCC GCCTGGGCTC TGTGTGCCAC TGAGCTGGCA GGTGGCCACT
56751 TCCTGGGACT CCTGAGGAGT GACTTGCACA GATTGCTCCG TTCTTGTTAA
56801 CAGAGATATT TCTCATCATC AGACCCAAAT TACTCTTAA CTGGCACAGG
56851 GCTGGTGTTA TCCTTTTTAT TAAGGTAAAA TAATAGTATA GGAAATGGCA
56901 GGTGACCAAA ATTGCACCTC ATAGAAAAAT GCTATCACTA CCATTGAAAT
56951 GGCTTATCTC TTTATCTCCA GGTTCCTCTC TCTGTAATTT AATTTGGGGC
57001 CTTTCAAGAC TGAAATATAT AAATGCATTA GTGAGGCTTC TGCATCTACT
57051 ACCTAACCTT TTGGACACAT ACATCAGATT ATGAGTGTAA AACAGCAGAC
57101 AACTGAACTC TCATAATTTT TGGTCAAGAT TTAACCAAAT CTTTGATGGG
57151 GAATAGTTCC AAAACTACCA GAATGGCAGA ATATTTCAAA TATTGGTGTC
57201 TTCTATTTTC CTCCATTAGT GAAGGAAATG GAACTACTGC CCATCCTCCA
57251 CAGTTTCACA CCTTTTCATC TTTGCTTAGG CCATATCCTC TGAGAATGCC
57301 CTTCTCTCTA GTCCACATC TTTCAAATCTT ACCCTGACTC CCAGGCCAG
57351 CTTAAATGCC ACCTCCTCTC TCATAATCAA AGTTTCCAAT AAACAAGGTT
57401 CCTTCCCAT AAACAAAGCC TCTCATAAAC TCGTGGCTAG AAATCACTCC
57451 CCACCCCAAT CCAATCCCC TCAACTCTCA CAGAATCTTT ATCTCTCATG
57501 GTACAAAGCA CAGTTTACAT CATATGAGCC ATGTCAGATT CTCAGCATGT
57551 GGGATTGATC TTTTCTGAT TCATTTTCTC ATCACATCGT GGACCCACAT
57601 AGTGAACCAC AAAGAAGTTA GCACTCAAGA TATTTTTTGA TGTATTCTTT
57651 ACCTCTTGGT TCCAGCTGCC TCCCACCTGA TTTCTGTCAA AACTAATGG
57701 TAATGATAAA ATATTGAATC CTCTACCTG TTGTATATGT TAAAAGTATT
57751 TTGTCTACC TTAATGTGCT GATATACCTA ACAATGTGCT GCACTGGAGA
57801 CCTGTGAGT ACTGCCTGAA AGTCTTCCAT TTGGGTGAAG ACAAGGCATC
57851 TCCAGAAACC TAGGCATTAA ATTAGTAGAC ACCTAGAGA ATGGGTGAGA
57901 TCACATATCT TCAGGAGAGG GTGGTGGTAG TGGTGTGGT GGAGAGAACA
57951 TATGATAGGG AAAAAGGCAG GAAATGTTGG ACTTCTCTAT TTTCTGCTTG
58001 GTGACATTAA CATAGGTAAA TAAAAATTTT ATCAATGTAG TACTAGTTCT
58051 CAACATTGGC TGCACTTAGT AATCACCTGA AGAGCTATCA AAAATCCTGA
58101 GGCTGAGGC CCACCTCTGG AAAGTCTGAT TTAATTGATC CTCGGAATG
58151 GCCCAGGCAT CAGGGTTTTG AGAGTTCTCC AGGTGATTCT AAAATGCAGC
58201 CAGGCTGAG AATGGCAAAA TAAATAATTT TAAAAATTCA AAAGGAGAGA
58251 ATAGTTAGTG TGGAATAGA CAAATAGTCA TAAAGGAAAA ATTTGTCATT
58301 ATTGGTGGAG CACTAAGCAA AGATGAGGCC CAGAGCTGAG AACAAGAGAG
58351 TCTGGCCCTG TAGTGAGTGT AGTTTATGA TCAAGCCATT TAGCCTGTTG
58401 CTCTTATTCA CGAAATTTGC ACAACTTGTT CTCCTTGCTT CCCAGGCAAC
58451 CTTCTGATCC TAATTTAGCT TTCCATATAT GTCTCCTCTA ATAGGAAAAA
58501 ATATGCTGGC TAACCTGAGA TGAGTTCCCT ATTGCCTTGG CAGTTTATAGC
58551 TCTCATTTGT TATGAATACG TTGGCAATCT GGATTATTTA TTGATGCCTT
58601 ATGAACTTGA AGTTCACAAT GGCAATTGTA ATCAAGGGAC TTTCCAAAAG
58651 CCATTACTGA GCCCCAGATC TGTGTCAGAT ACAATTATAG TCATTGTGTG
58701 GCATAACAGA GATAATATGA TAATATTTAA TGAATTTTCA GGTAGGATTA
58751 ATGAGTCATT TATATCAGTT GCTAAAATAC AAGGGGGAGT GTGGTATGTG
58801 TTATGGGAAG GGTATGGTTA AAGTGCTGTG GGGGTAATAG GAGAGAGAAA
58851 TGACTTCTGA CCATGGGAAC CATGAAGGGG CTAGCATTCT ATTTGAGTTC
58901 GCAGTACGGG AAAGATTAGG CCAAGAAGAA TAGAGCAAGG ACATTTCAGC
58951 TAAATGGAAT GATGTGATAA AAGGCTCAGA GGTAGAAAAG CATGGGATGT
59001 GATTTAGGAA CCCAGTACTT CACCTTTAAT TGTAATATGT TTGCAGTTAA
59051 ATACATTCCC TAATTTTAAAC AACTTATATA ATCATAGTAT AATTATCAAA
59101 ACTAGGAAAA TTAATATTTT ACTAGTTTTC CCCTTATGCT CTTTGGTCTA
59151 TTCTAGGATC CAATCCAGGA TTCTACATTG CATTAGTTTC TATTTCTTTA
59201 GTCTCCTCTA ATCTGTGACA ATTTCCCTTT CCTGCCTTGT TTTTATGAA
59251 TTTGACACTT TTGATGGGTA ACTGGCAAGC TATTTTGTAG AATGTCTCTC
59301 AGTTTGGGTT TGTCTAATGT TTTATCACGA TTAGATTGAG GTTACATATT
59351 CTTGGCAAGA CTACTACAAT AGTAGTATTG TATTCCTCTC AGTACATCAT
59401 ATTAAGGGGT ACCAGCTGTA TCTTATTACT GATGATGTTA ACTTTGATCA
59451 CTTGGTTAAG GTTCTGTCTT GTGGGGTTTT TCACTGTAAA GTTACTATTT
59501 TTTCCCTTTG AAATTTGATAA ATATCCTGGG TAAGATAGTT TGAGAGTTTT
59551 CTATTAATAA TAGCCTGTTT CTTTTCAAAT CTTCACTCAT TAATTTTAGT
59601 CTCTTTCAGT GAAGTTGCCT GTGGCGATTC TTAATCTCTA TTCTTTACCT
59651 AATTGTGATT ATATATTTCT CTCAATCTTT CTGTATTTAC TAATTGGTAT
59701 TCCACTGTAA GGAAGAGCTG CTGCTTCTCC TCCATCCATG TATTTTTCAT
59751 GTTATTTATT TATATTAGTA TGAACATGAT GATTTTAAAA TATTATATGG
59801 GTTACACCCA GTACCGTCAC TGTTTATTTT GTTGCTCAAA TTGTTCCAAC

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59851 TTTGGCTAAT GGGGTTTCCTT CAGATTGGCT CCTGTGTCTT TTTAACATGC
59901 CCCTATCCTT TTTTGAGGAG AAGTAAATTC TTGCTTATTA ATTCCATTTT
59951 ACAGATGAAG AAACAGGACC CCAGAAAGTG GAGTGATTTT CTGACTGTTA
60001 AATCCAGGGC AGAACTAGGA CCAGGGGTAT TGGGATAGAT GCTCCTTTTC
60051 TTGGCTTATT CTCAATTATT TTCAGTGTCT TTATCCATCT CTATTTCTAT
60101 AATACATATA CATATTACACA TAAACTATTT GTACACAAAT GCAAATTTTA
60151 ATGTGATGAT ATGATTATTT TCTCTCAATG GAAGACTAGA TAAGGTTTTA
60201 AATAGTGGGA AGTGTGTAGA CTTTGGCATC TTCTATTCAA ATCTTTGTCC
60251 ATTTCTTCCA GCAAATTATT TCATTTCTCT GACCCGTTTT TCTTAAGAGA
60301 GTATAACATA TATTTTGTCT TTATAGGGAT TTGAAATAAT GAATGTTGAA
60351 AAAGTGACTA TCAGAGCTTT TCTCCTAGTA GATTTTCAAT AATGAAAGTT
60401 ATTATAATTG TTCGTTATTT CACTGTTACT CACCCCTT TCCTCCCTCC
60451 GGCTGTTTTT TAGAAGTAAA GCTAGTTTTT ACCTCTGAGA TTTTGTCTGT
60501 CAGCCTTTAG TATGAGGATT CATGCCAAAA GGAAGAAATA TGCAAATTCT
60551 TTTTTTTTTT TTTTTTTTTT TTTGAGACAG AGTCTCACCT CATTGCCAGG
60601 CTGGAGTGCA ATGAATGGCA CAATCTCAGC TCACTGCAAC CTCTGCCTCC
60651 CAGGTTCAAG CAATTCTCCT GCCTCAGCCT CCCGGGTAGC TGTGACTACT
60701 GGCGCGTGCC ACCACGCCCA GCTAATTTTT GTATTTTTAG TAGAGATGGG
60751 GTTTCTCCAT GTTGGCCAGG ATGTTCTCCA TCTCCTGACC TTGTGATCCG
60801 CCCACGTCAG CCTCCCAAAG TGCTGGGATG ACAGGCGTGA GCCACCGTGC
60851 CCGGCCGCAA ATTCCTAACC ACTAATAGGC CTGCTAGTAA CTTTGAGGCA
60901 AGTACTTTCC GAACTGATTG TACTATAAAA CGGAACATTT GAAATTTCTT
60951 CATATGTTTT TTTTTTATGC AAAAGTATTT AAACAAACCA AGTAAGCGGG
61001 TTGAGTTTTG CAATCTTGAA TCTCTAGTGC GTGTCAATAG ACTATTAGAA
61051 GTAAATTTGG CAATGACGTG CAGCCACCAG GCTTACTAGT TCTCAGAGGG
61101 TCCTTGTAGA ACTTCATATT GGGTGTGTG TGTCTAGTAT TAGAAACAAA
61151 TCCTTTTCTG TGCTTCAGAA CAACTGCTTA TAGTCCTGAA GCCTGTTTGG
61201 GACCACCACC CCCAGAAATT GGTTATTTAT AGATGAGGAA CACCCCTGGA
61251 ATTTGACCAT ATTGGATGATC ATCCTTCCTA CTGTGAATC
61301 AAATCAGGCA TCCACACATT GGGGCTGTCC ACACCTCAGG ACTGTCTTCA
61351 GTGGTTTGCA TTGCTGGGAT TGCTGCTGAT TGAAGGAACT AAGCATTGTT
61401 TTCAGAGTGG TGGGTCCCAT CGGGGCCCTC TGATTTTCCT GGGCAGCTCC
61451 ATCTAGGAGT AGGTAGGCCCT CCCTGAATTT ATCCTGTGTC AATTCTATGG
61501 GTCTAGATTT TGTCCAGTTG GGGAAGGCTG TAAATAATAC GAGTGTCTAA
61551 TGTTTTTTATA TACCTAACT GATCCATTTG TGATTTTTAT AAGTATCAAA
61601 ATTAAAGTCA TTTGTTTGT TCCATTTACT TTCTTTCTTA AACTATGAAA
61651 TATTTTGACC TTTTAATGAA AAACAATAAA AAATAAGACC ACTGATTTTT
61701 ACCTAAAATT GTTAAATCTA ACAATTGAAA AGCAAGACTA GTTTCATTGA
61751 AAAGAAATGC ACTAATGCAC TAATAGAAAG CAATCTGCAA ACCCAGTAGA
61801 GTTTATGACA TTTGGGGTAA GGCTTTAGCT GTCATATGAA TTTATATAAA
61851 TACAAGTGT TAAAAATAGA ATCACAATAA TTTATTTCAA ATGGTTTTTT
61901 TTTAAAAAAC CCTGTGCTTT ATAGATAAAA GCATTATTTT ACATTATTTT
61951 ATATCACCTA AGAATAAGTT CTGCCATTTT TTATTATCTT ACATTACCTT
62001 CAGCAAAAAG AACACTATCT CTAAAAGAAT TTGAAAAAAA TACTAACTAA
62051 ACTCAAGATG TTCATTTATA TTATTAGAAA TGAAAATCAT AATACTGCAT
62101 GGCATTCTTC AGTACCTATT TAGAAGCTGG TTTTTTCTT GTTTTGCTTT
62151 TAAGAGCATA ATGTGGCTTG ACATTTCCCC CACGTTTTAT GCAGTCTCTT
62201 AAAGTGCACT TCCAAAATTC TAGGAAAATG TCCTTGGGTT GTACAATATA
62251 ATGACAAAGG ATCTCCTCCC TCACTGCCTT TACCTCCATT TATTGGTATT
62301 CTCCTAAGTA ATGAAACAGA GTTTCAAAAA CATGTTATTG TAAAATGACT
62351 CTTATTACAG CCTGCCTTTC TCAAGTACAT CTTTGCCTT TGGAGTTGTT
62401 CAAATTTTAG ACAAATGTT TCCACTGACA GGCTAAATAT TAAGTACATG
62451 GCCTGTTTAT ATTATTGCCT AGCATCATGC CTCAAAGTTT GTTCCATGGA
62501 CCACCTGTCC TAGAGTCACG AAGGATGCTT GTTGAAAAA CAGATTCCTT
62551 GGGTCTATGT GGTTTTACTG AGTTGGAGTT ATTGTTGCTA ATGTCTAGGG
62601 ATATGCATTT TAAACAAGCA ACTTGGGAAG TTCTGATGTA TAAAATTTGA
62651 GGTCCACTGG AAGGATGCTT ATTTAATGGA GATATGGTAG GCTATGAAGA
62701 ACAGCATTTA AAATGTCAAT CCAGTGAATT AATAAGGGAA GCTTTTTCAT
62751 TATTTTATTT TGTTTTATTT TGCGATGGAG TCTTGCTCTA TTGCCCAGTC
62801 TTGAGGGCAG TGATGGGATC TTGGCTCACT GTAACCTCTG CCTCCTAGGT
62851 TCAAGTGATC CTCCTACTTC AGCCTCCCGA GTAGCTGGGA TTACAGGCAT
62901 GTGCCACCAC GCCTGGCTAA TTTTGTGTG TTTAGTAGAG ACGGGGTTC
62951 ATCATGTTGG CCAGGCTGGT CTCGAATCC TGACCTCAAG TGATCTGCCT

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63001	GCCTTGGCCT	CCGAAGTGCT	GGGATTACGG	GCATGAGCCA	CTGCACCCAA
63051	TCTGCATTTA	CTGAGTCAGA	GTTATTGATG	ATAATGATAA	TGATAGTTGA
63101	TGATAATAGG	GATATGCATT	TAAACAAGC	AACTTGGAAG	ATTTTGATGC
63151	ATAATATTTG	AGGTCCACTG	GAAGAATGCT	TATTTAATGG	AGATATGGTA
63201	GGGTGTGAAG	GAAGAGCATT	TAAAGTTGTC	AGTCCAGCGA	ATTAATAACG
63251	GAAGCTTTTT	CATTTTAAAA	TAAAAAGCAG	GACAGAATAA	TTTTTGAAGT
63301	TCCTTTTAGC	CTTAAACATT	GCAGGGGTTT	TTTTGTTTTT	TTTTTTGTTT
63351	TAAATTCAGG	CTTCTGAGAA	TGCTCTTCTT	TTGTCTTTTA	AGGTTGTAAG
63401	TGCTTTGATT	GCCAATGTTA	ATACAAGGAT	TAATTTTAA	AATCAAATCC
63451	TTTTAGGATT	TAAAATTTGA	TAATAACAAT	CAAAGGTGGG	GTAAAGAACA
63501	CTGAATTTGG	GTTGTTCTTC	ATTTCTTTAA	AGCCTCGACA	TTTCAAAGGC
63551	AATCTGTCAT	TGGCTAACTG	GGATGGTGAA	AGGAGGAGAT	ACTATTAATC
63601	CATCAAATGT	TACAGTTTGG	GTTACAGATT	TTCAAAACCT	TAGAAGTTAA
63651	CATCAAGTCT	TTTATTGCAA	CCTTCAAGAG	ATAATCTTAG	TGAAGGAAAA
63701	CATTTTTTGA	TAGCTGTATA	GACTTAGGGC	AATATTAATT	TTGGGTCAGT
63751	TAAAGTCAAT	ACATTTTTCA	TGAAAGTTAT	TTTAGCAATA	AAAGTCACTA
63801	TTAAATATCT	CTCAAGGACA	AAGTTAAGAA	AACAGAATAT	ACTTACAGAT
63851	ATTGTAATAA	GAATTTCTTA	GACCAACGCA	TTACATTTCA	TCAAAAACAT
63901	TAGCTTTTTA	CTTTAAAGAC	AGCTTAGAGA	AAGAAAGTAA	TGCTTTTCAT
63951	ATTGCTGAGT	TAAAATCAGA	CTAAAAACTG	TATTTCTTTG	TTGTGTCAAA
64001	TCATAATTTG	TTGTGTCTAA	ATCTTTGAGT	GACTTGTCTA	TCATAATTAA
64051	ATCCTTAGAA	AAAAATCAGAG	GTTTTTGTTC	ATTTTTTGTG	TTTTTTGAGA
64101	TTGGGGTTTC	ATTCTGTCAC	CAGGCTGGAG	TGCAGTGGTG	CAATCATAGC
64151	TCACTGCAGC	CTCAATCTCC	TGGACTCAAA	CGCTCTTCCC	GCTCCACGCT
64201	CGCAAGCAGC	TGAGAATATA	GGCATGACAC	CAGGCTGGGC	TAATTTTAAA
64251	ATTGTTTTTT	AGAGATGGGA	TCTTGCTATG	TTGCCCAGGC	TGGTTTCAAG
64301	CTCCTGGCAT	TAAGTGATCA	TCCTACCTCA	GCCACCTGAA	TTACTGGGAT
64351	TACAGATGTG	AGTGATTGCA	TCTGGCTGTG	TTTATTTAAAG	AACACAGTAA
64401	ATGCAAAACA	AATAGTTTTT	CTTGAGGATA	AACATGTAAA	ATGGAAATAG
64451	GAAGAATAAC	TTAAGAAGCA	CAAGACACAG	ATCTTGGAAT	AATTTAATCT
64501	TTCAGTGTTC	TCTCTTCCTG	TTGATTTCAC	ATAGCCCTTG	CTTAATGCTA
64551	AAAACAGATA	TCTTTCTTCT	TTTTAAAGTT	CTACCCAGAA	GGCAATGGGG
64601	AGTTTGGGCTA	TTTCCTTTGG	ACATTTCACT	TTGAGGCCCTG	TTATTGAAGG
64651	CCCTTTTCTG	GTTTTTCCTT	CAATAGTCTA	AATATATATT	TATTTAATTA
64701	CAGGAAATCA	GGCATTAAAT	ATCAATGCAG	GAAACAGACA	TAAAACTTTT
64751	ACCCACCTCT	GTTGTTCTGC	ATCTCTCCTT	CCACTTGAAA	GATTGTAAGC
64801	AGGTGATTGT	CAGACCAACA	ATAAATGTCA	CTCAGAGAGC	ATGCATCCAT
64851	ATGGCAAGGT	AACCCAGAAA	ACATAATTAT	GCTCATTCAC	AAAAAATAAA
64901	GAAGTTGATA	TAAAATGTAT	AGAATTTAAT	ATTTCTTTAA	CACAGTTTAA
64951	AAATGACAAT	AGGATGTGAA	AAGCAGCATT	GCAGTTGGG	GATAAATTCC
65001	TGAAAGGAAT	GCTATTTTAA	TGCACAAATG	TCTCCAAATT	TTAGTATTAT
65051	AACGTGTTAAA	ATAAAAACTT	TAAATAAATT	AAATTTACCA	AAGTTTATTT
65101	GAGCACACAC	AAAAAAAATT	TCTTGAATTG	GGCAAACTTC	AGAAGTAGAA
65151	GGAGTTCGGA	GAGCTCTTTC	TGCCCAGCAA	CCTGAGCAAT	GAGCTTTTAT
65201	AGGATGGACA	CAAAAGCAAA	CCAGAGAAAT	CATTTGATTA	GCTATAGCTA
65251	GGCATTTGCC	TTATTTGGGC	ATGGTGTGAT	GATTTGGCTG	CCGTGTGATTG
65301	GCTGAAATC	AGCTATTTCT	TCTGTGTATT	GGTTTGTTTA	CATACTACGT
65351	TAGGTTGAGG	TTTGCTGCAC	AGGAATGCAA	GGTATGGAGG	CAGCTTCAGG
65401	CCAAATTTAA	GTTAATTTAA	CAATTTCTCC	CTATTAGTCA	GTCTCTCAAA
65451	ATTGGGCATT	GATGCCACTC	TGTCACCATC	GTCATGGACT	TTTTTGGTCT
65501	TGGTATGAAA	TACATAATTC	ATGGCATCAG	GCTAGTTGAA	TGATTCCTTA
65551	TGTTCTCTTT	GTGTTTTTGT	TGTTTTAACA	GTAGTGAGAC	CATTTGATGT
65601	ACAACAGATG	GCTGTATATG	AGCATTTAAG	ACACTTGAGA	GAATATAGAA
65651	CACCAGGGAG	ACTATTGTGA	TGGTTATCAG	GAGGATAATA	CTAAGAGAGT
65701	GAAGTGTATT	CCTTAACAGA	GGCCACCATG	AACCAAAACA	ATTATAATAA
65751	AATGAATCAA	AAAAATGAGC	CAGAAGAGGA	ATCTACTTGT	TTTAAACCAAG
65801	TAACTTGTTT	GTTTACTTTT	TAAAACCTGAG	TTTCTACCGT	ATCAGACATA
65851	TTTATGAAAG	GGCAGCATGA	GATGTTAGCC	ACTGCATACA	TATTCCTCATG
65901	TTTCATCGAGT	AGTCCAAAAC	AGTCTAAAAC	AATGTTAGCA	AGAGAATTTA
65951	TAAAGGATTTC	TGGGCAACGA	TAGCCTTTGC	AATAGAGTCA	GCTATAGTAG
66001	CTAATATTTG	AGACAGATTT	CTAATAATAA	CTCTATATAC	ATTTATGCCA
66051	AGCCAAAGAA	GAACCATTTCT	ACAAAAGATG	CCCATTTAGA	GTGATTTAAG
66101	CCTGCCGGAA	AGTTCTCTCT	TATTATTTTT	GTTTTTAAAT	ATGGAACGCT

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66151 TCATGAATTT CCGTGTGCATC CTTGCACAGA GGCCATTCTA ACCTCCTCTG
66201 TATCATTCCA ATTTTAGTAT ATGTGCTGCC AAAGCAAGCA CAATTTCTCG
66251 TTAATCCATG GCACAAATTA AGAGATACAG AACAATGTTC AGTTTCCAGT
66301 TGCTTATGAA GTGACAGTGG TACTGTTAGA ATCTCTAATC CACATTGGTC
66351 CCTTATTTTC CACTTGAGAC AAGGAGTTGC CCACACATAT GGTGATCAT
66401 TAAATCCTCC ACAGATAAAA ATATATCCTG GAGGGGCACA AGAGACAGTT
66451 CCTTGTGTGA TACTTTGTGT GTTAGAAATC ACCAGTTGGG AAGCACTGGT
66501 AATATTTATC CAAGGGTCCA TTATTGAATC ATTGATGGT AGATTACTTC
66551 TTACCAATAA GAAGGGATTA GGGTTATAAA GTTGTCTACA AACTGTCAAC
66601 TTATCTTTCT TTTGGTTTTT TTAGTTTCTG GCATAATTTA GCTGCAAAAC
66651 CCTCAATATA GGTTTTCTCT ACTATTAGAT TTAAACAAGA GTCTGAATAT
66701 ATGAATCTAA AAACCCAATC ATGTGAAAAG AACCAGATGT GCAATTTTTT
66751 TTTTGGAGACA GAGTCTCGCT CTGTCTGTCA GGCTGGAGTG TGGTGGCATG
66801 ATCTCAGCTC AGTGCAATCT CCGCCTCCTC AGCTCAAGCA ATTCTCCTGC
66851 CTCTGAGTAG CTAGGATTAC AGGCGTGTGC CACCACGCTT GGCTAATTTT
66901 TGTATTTTTA GTAGAGATGG GGTTCACCA TGTTGGCCAG GTTGTCTCTG
66951 AACTCCTGAC CACCCGCCTC TGCCTTCCAA AGTGCTGGGA TTACAGGCGT
67001 GAGCCACTGC GCTTAGCCCA GATGTGCAAT TTGAACAAAT AGTCACCCTT
67051 GGAATATTAG TGAATTTGT TACATGGTGA ACTAGAATAT CTCTAAGATC
67101 ATATAGGGAT TCAGGTTTAA CATGACATAG TCAACATTCA GTCTAGTTCC
67151 CTGCAAAAGC TATCAATTAT GAAATCTTAA TTATCACCATT ATCTTGCCAT
67201 ATATAAACAG AAAAGAAAAC AAAGAGGAAA GGGAACAAAG ATTTCATAGT
67251 GACAGAGGAG AACAGTCTTG ACCTGTGATC TTGGGAAAGC TGTCACATC
67301 TAGGATGCCA TTTGCTTCTG GAGAAAAGCT TCCCTAGTCA GCTTTACCTT
67351 GAGATCTCCA GTGGATTAC TGTCCCAAGA GTCTGGAGGG GCTCTCTTGA
67401 GTTGAGATAT AGGGATCCAA GGCTTGAGGC CCTGAAATTT TGCAGTAGTG
67451 TGGGTGGTGG GAAGAACTTG GTATGATCTT TTTCAAGTGG GCTCAAGGGC
67501 AGTCTTTCTC TGGTGTGGCT TCCAAAAGAC CCATTCAGTG GGTCTAGAT
67551 CATGAAAGAT CTAGTTGTCA TCAGCTGGTG GGTCACAAAG GGTTCCTTTT
67601 AACTGGTAAA AATATACTTT AGCATAATGC ATTAATAATCT TTCAATATTA
67651 AGTCATGTCA GAACCTATAA AAGTGTGAGA TTCATGAGGT GCTATTATTA
67701 GGGCCATACA CCTCCGGTA ACTATTTTAT AAGGGGTCAA TCTGTGTTTT
67751 CCAAGGGGGG TGGATCTGAC TGCCATCAAT CAGTAATACC TTTGAACAAG
67801 GCAATACAGT CAATTCAGTT AGCTTTGCCT AATACCATTG TGTTTGTAAAT
67851 AACTTATTTA ACTGCTTTAT AACTTGTTCA GTGAAATGAG CGCCTCTACC
67901 ACTGGAAATT TCTCCAGGAG TATTCCATAA AGCAAACACA TTTCATGATA
67951 ACCTTTTAGC TACTGTTATA TCAGCAACCT TCCTGCATGA CGGGAAAGCT
68001 TCTGTACATC CAGAACTAT TCATTGAAGG TAGGAATTGA GTGATGTCCA
68051 TCTGTAAAGTA TTCAAATGAT CCAGCAGGTG CTGGAAATGT ATCATCTGAG
68101 TGTTTTATG TCTGTCAAA ATTATGGGTT TGACAAACCA GACAGTGGTT
68151 ATAAACCATT TTAGGAATTT TAGAACAGAC AGCCTGCCAG TATTTTAAAT
68201 AATAATTGGG ATTTATTTCT CTCTCCTGTG ATGAGTTAAG GAGTACAGAG
68251 CTTCTAATAA TTAAGCTTTT AAGGACTCAG GAAGGACCAA GCAACTGTCC
68301 AAGCCCTCCA TTAGCCACA CTTAACATTG AATTTACATC CTTTTAAATA
68351 CCAGTTGATT TCTCCAATTC AGGCACACAG CATTGTTTAT GAAATAGTTC
68401 ATCATAGGTA ATTTGACTTG GATCAATCTT ATGGAGCTCA TTCAAATTTG
68451 ATATCTTAAC AATTTAGTA CTGGCTGACT TAGTATGAAA ACCTGCCAAA
68501 GCATTTCTTT AGCAACCAAT TAATTGGTGT TCTGCTTGAT GTGGGGTTAG
68551 TGGTTTTATG AACCAATCAA TTTATTCTAT AGCATTCTAG AAATTCTTAT
68601 CTAATCTAAT TGTGTGAACC TAAGGTTATC AGAAACCTAT GTTGTGAGAG
68651 TTCTTTCCAT GAATCCCCTC AAAGTTGAAA AATTTAGGTT TATAGTTGTT
68701 TTCAATAGCT TTCAGGAAAA TACCAAAGTA AAACAATTA CTGTCTGTGG
68751 ATGGCAAGAC TTTAAATGAT AATGGTTAAA TGTCTGATGA AAATTAATTA
68801 TAATGCAATT GACAAGAAAA TTTGTTTCC TTTTCTGTAT ATACAGTATT
68851 TTTTAAAAAT TAAAATTACG AGTGATAGTA ATATGTCAAG ACTATCAAGT
68901 TTCTGGGAAT TTCATATAAT TTCTGGAAAA CATATTAATA ACATACTCAT
68951 GCAATATAAC TTAAAGATGG TTCAGCAACA CTTATTATTT GACAATGCTT
69001 CCCATGCAAT TTAACACATC AAATAAGCCT AATTAGTTTA ACATCTCTCT
69051 TTTTATAAAG AAGAGAGGAA AAAATTCCTT TGAGAAATTC CAGAAGTCAG
69101 TTTGGAAACT TCCAAAGTTG GTTTGAGGTC GAAAGGCCCT AATTTAATGC
69151 TTGATTTTGA GAAGTGGTTA AAAAATGTCA AAGGGTTTAA AATAAATAAA
69201 ATAGGATCAG AGGTCACTGG CAACAGTAGT CATTTAAGCA GAGTGATAAT
69251 TAAAATACCT CAAAGAAAGT TACATAATTA TAGAAAAACC TTAGCTTTTT

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69301 AAATAGAGAG AACTGTTTTC TTGAGTGATC AAAAGACTTA TAAAGACCAC
69351 ACGAAGCACA GGAAATGTGC TTTTAAAAA AATTGACATA TTTTGTAT
69401 AGAGGGTACA TCTGTAGGTT TGTTACATGG GTATATTGCA CCCAGGTAGT
69451 GAACATAGTA CCCAATAGGT AGTTTTTCAA CTCACATCCC CCTTCTCCC
69501 TCCCCTATCT AGTAGTTGGC AGTGTCTGTT GTTCCTCTGT TTATATCCAT
69551 GTGTGCTCAA TGTTTAGCTC CCACTTATAA CATGTGATAT TTGGTTTCT
69601 GTTCCTGTAT TGGTTTGCTT AGGATTATGG CCTCCAGCTT CATCCATGTT
69651 GCTGTAGAGG ACATGATTTC ATTCCGTTTT TATGGCTGTG GAGTATTCCG
69701 TGGTGTATAT GTATCATATT TTCTTTATCC AATCAATGAT TGGTGGGCAC
69751 CTAAGCTGAT TCCATGTCTT TGCTGTTGTG AATAGTGTGG TGATGAACAT
69801 TATGCATGCA TATGTCTTTT TGGTAGAATG ATCTATTTTC CTTTGGGTAT
69851 ATTCACAGTA ATGAGATTGC TGAGTTGAAT AATAGCTCTG TTTTGTGTTT
69901 TTTGAGGAAT CTCTAAACTG CTTTCCACAG TGGCTGAACT AATTTACATT
69951 CCCATCAACA CTGGGTAAGC ATTCACTTTT CTCCACAGCC TTGCCATTAT
70001 CTGTTGTTTT TTGACTTTTT ATTTTAATTT AATTTAATTT AATTTTATTT
70051 TATTATTATT GTTATACTTT AAGTTTTAGG GTACATGTGC ACAATGTGCA
70101 GGTTAGTTAC ATATGTATAC ATGTACCATG CTGGTATGCT GTACCCATTA
70151 ACTCGTCATT TAGCATTAGG TATATCTCCT AATGCTATCC CTCCCCCTC
70201 CCCCCACCCC ACAACGGTCC CCAGAATGTG ATGTTCCCCT TTCTGTGTCC
70251 ATGTGTTCTC ATTTGTTCAAT TCCCACCTAT GAGTGAGAAC ATGCGGTGTT
70301 TGGTGTTTTG TCCTTGCGAT AGTTTACTGA GAAGATGGTT TCCAATTTCA
70351 TCCATGTCCC TACAAAGGAC ATGAAGTCAT CATTTTTTAT GGCTGCATAG
70401 TATTCCCAGT GTGTATATGT GCCACATTTT CTTAATCCAG TCTATCATTG
70451 TTGGACATTT GGGTTGGTTC CAAGTCTTTG CTATTGTGAA TAGGGCTGCA
70501 ATAAACATAC GTGTGCATGT GTCTTTATAG CAGCATGATT TATAGTCCTT
70551 TGGGTATATA CCCAGTAATG GGATGGCTGG GTCAAATGCT ATTTCTAGTT
70601 CTAGATCCCT GAGGAATCAC CACACTGACT TCCACAATGG TTGAAGTAGT
70651 TTACAGTCCC ACCAACAGTG TAAAAGTGTT CCTATTTCTC CACATCCTCT
70701 CCAGCACCTG TTGTTTCTCT ACTTTTTAAT GATTGCCATT CTAAGTGGTG
70751 TGAGATGGTA TCTCATTTG GTTTTGATTG GCATTTCTTT AATGGCCAGT
70801 GATGATGAGC ATTTTTTCAT GTGTCTTTTG GCTGCATAAA TGTCTTCTT
70851 TGAGAAGTGT CTGTTTCATAT CCTTTGCCCA CTTTTTGATG GGGTTGTTTG
70901 TTTTTTTCTT GTAAATCGTG AAGGACCTCT CCAAGGAGAA CTGCAAACCA
70951 CTGCTCAATG AAATAAAAGA GGACACAAAC AAATGGAAGA ACATTCCATG
71001 CTCATGGGTA GGAAGAATCA ATATCGTGAA AATGGCCATA CTGCCAAGG
71051 TAATTTATAG ATTTCAATGCC ATCCCCATCA AGCTACCAAT GACTTTCTTC
71101 ACAGAATTGG AAAAAACTAC TTTAAAGTTC ATATGGAACC AAAAAAGAGC
71151 CCGCATCGCC AAGTCAATCC TAAGCCAAAA GAACAAAGCT GGAGGCATCA
71201 CGCTACCTGA CTTCAAACCTA TACTACAAGG CTACAGTAAC CAAAACAGCA
71251 TGGTACTGGT ACCAAAACAG ATATAGACCA ATGGAACAGA ACAGAGCCCT
71301 CAGAAATAAT ACCACACATC TACAACCATC TGATTTTTGA CAAACCTGAC
71351 TAAAACAAGA AATGGGGAAA GGATTCCCTA TTTAATGAAT GGTGTGGGA
71401 AAAGTGGCTA GCCATATGTA GAAAGCTGAA ACTGGATCCC TTCCTTACAC
71451 CTTATACAAA AATTAATTCA AGGTGGATTT AAGACTTAAA CGTTAGACCT
71501 AAAACCATAA AAACCTAGA AGAAAACCTA GGCATTACAA TTCAGGACAT
71551 AGGCATGGGC AAGGACTTCA TGTCTAAAAC ACCAAAAGCA ATGGCAGCAA
71601 AAGCCAAAAT TGACAAATGC TATCTAATTG AACTAAAGAG TTTCTGCACA
71651 GCAAAAGAAA CTGCCATCAA AGTGAACAGG CAACCTACAA AATTGGAGAA
71701 AATTTTACAC ACCTACTCAT CTGTTTTTTG ACTTTTTAAA AATGGCCATT
71751 CTGACTGGTA TGAGATGGTA ACTCATTATG GTTTTGATTG GCATTTCTCT
71801 GATGATTAGT GATGATGAGC ATTTTTTCAT ATGTTTCTTG GCCACTTGTA
71851 TATCTTCTTT TGAGGAGTGC CTGTTTCATG CCTTTGCCCA CTTTTTTTTT
71901 TTTTTTTTAG ATGGAGTCTC ACTCTGTTGC CCAGGCTGGA GTGTAGTGGC
71951 GCAATCTCCG CTCACTGAAA CCTCTGCCTC CTGGGTTCAA GCGATTTTCC
72001 TGCCTCAGCC TCCTGAGTAG CTGGGATTAC AGGTGCGCAC CACCACACC
72051 AGCTAATTTT TGTATTTTTT ATAGAGATGA GGTTCACCA TGTTGGTCAG
72101 GCTGATCTCT AACTCCTGAC CTTTGCCTAC TTTTAAATGT TTTTTTTTTT
72151 CTTCTTTGTT GATTTAACTT CTTTATAGAT TCTGGATATT AAACGTTTGT
72201 TGGATGCATC ATTAGTCAAT ATTTTATTCC ATTCTGTACA TCATTTGTTT
72251 ACTCTGTTGA TAGTTTCTTT GGCTGTGCAG ATGCTCTTTC ATTTAATTAG
72301 GTCCCACCTG TTTTGTTTTA GTTGCAACTG CTTTGTAGAA CTTAGCCAGA
72351 AATTCTTTGC CAAGACCAAT GTCAAGAAGG GCATTTCTTA GTTTCTTCT
72401 AGAATTTTTTA TAGTTTGATG ATTTACATTA AAATCTTTGA TCAATCTTGA

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72451 GTTAATTTTT GTATGTGGTA AAAGGTAAGG GTCCAGTTTC AGTCTTCTGC
72501 ATATGGCCAG CCAGTTATCT CAGGACCATT TATTGAAAAG AGATCCTTTC
72551 TCCATTCCCT GTTTTTGTG GCCTAGTCAG AGATCAGACG GTTGTGTGTG
72601 GCTTTATTTT TGAGTTTTCT ATTCTGTAGC TACTGGTTTA TGGGTCTGTT
72651 CTTGTACTAG TATCATGCTT TTTGTTTACG ATAGCCTTAT AATACAGTTT
72701 GAAGTCAGGT AGTGTGATGC CTCCAGCTTT GTTCTTTTCC TTAGGATTGC
72751 TTTGGCTATT CAGGCTCTTT TTTGGTTCCA TATGAATGTT AGAGTAGTTT
72801 TTTCTAATTC TGTGAAGAAT GATGCTGGTA GTTTGATAGG AATAGTGTG
72851 AATCTGTAGA TTGCTTAGGG CAGTATGGCT ATTTTAACAG TATTGATTCT
72901 TCCAATCCAT AAGTATGGAA TGTTTTTTCC ATTTATTAGT GTCATCACTG
72951 ATTTCTTTCA GCAATGTTTT ATATTTCTCC TTGTAGAGAT CTTTCACCTC
73001 TATGGTTAGC TGTATTCCCT GGCATTTTCAT TTTCTTTGTG GCTATTTTAA
73051 ATGGGATTGT GTTCTTGATT TGACTCTCAG CCTGGACATT ATTGGCTTAT
73101 AGAAATGCTA TTGATTTTGT TACATTGATT TTGTATCCTG AAACCTTACT
73151 AAAATTGTTT ATCACTTCTA ATAGTCTTTT GGTGGAGTCT TTAGGGTGTT
73201 TTAGGAATAG AATCATACTG TCAGCAAAGA GAGATAGCTG ACTTCGTTTT
73251 GGATGCCCTT TATTTCTTTC TCTTGCCCAG TTGCTCTGGC TAGGACTTCC
73301 AGTAGTATGT TGAATGGGAG TGGTAAGAGT GGGCACCTC ATCTTGTTCC
73351 AGTTCTCAAA GAGAATGGTT CCAGTTTTTG CCATTCACTA TGATGTTGGC
73401 TGAGAATTCT TCATAGATGG CTCTTATTAT TTTGAGGTAT GTTCCTTTAA
73451 TGCCTGGTCT GTTGAGGGTT TTTATCATGG ATGTTGGATT TTCTAAAAAG
73501 CTTTTTCTGC ATTTATTAAAG ATGATCATAT GGTTTTCGCT TTTAATTTTG
73551 TTTATGTGGT GGGTGAATCA CATTATTATG TTTGTGTATG TTAAGCCAAC
73601 CTTGCATCCC AAAAAATAAG CCTACTTGGG CCAGGCATGA TGGCTCATGC
73651 CTGTAATCCC AGCACTTTGG GAGGCTGAGG TGGGCAGATC ACGAGGTCAG
73701 GAGTTGCAGC TAGTCTGGCC AACATGGTGA AATCCCGTCT CTAATAAAAA
73751 TATAAAAAAT TAGCTGGTGG CTAATAAGGA GGCTGAGGCA GGATAATCGT
73801 GTGAACCTGG GAGGCCAAGG TTGCAATGAG CTGAGATCAT GCCATTGCAC
73851 TCCAGCACAA GTGACACTGC AAGACTCTAT CTCTAAATAA ATAAATTAAT
73901 TAAGCCTACT TGATTTTGGC ATATTAACTT TTTGCTGTGC TACTGGATTCT
73951 AGTTTGCTAT GTTTTATTGA GGATTTTTCG ATCAATGTTC ATCATGGATA
74001 TTGGCCTGAA GTTCTCCTTT TTCGTTGCAT CTTTGCCAGA TTTTGGTATT
74051 AGGCAGTTGC TGGCTTCATA GAGTGAATTA GGGAGGAGCC CCTCCTCCTT
74101 GATTTTTTGG AATAGTTTGA GTAGGATTGG TACTAGTTCT TTTTGTACAA
74151 CTGGTAGAAT TCAGCTGTGA ATCCATCTGG TGCAGGACTT TTTTGGTTG
74201 GTAGTTTTTA TTATTATTAT TATTGCAGAG CTCAGTATTG GTCTATTCAG
74251 AGTTTTTAATC TCTTCCTGAT TCAGTCTTGG GAGATTGTGT GTTTCCAGGA
74301 ATTTATGTGT TTCCTCTAGA TTTTCTATTT TGTGTGTGTA AGTTGGTCGT
74351 AGTATTCTCT GAGGATCTTT TGTATTTCTA TGGGATTGGT TGTAATATCA
74401 TCTTTGTCTAT TTCTGATTAT GCTTATTGGT ATCTCTTTTT TGTTGTTAAT
74451 CTAGCTAGAG GTCTACCAAT CTTGTTTATT TTTTATAAGA ACCAACTCTT
74501 GGTGCTCACTG ACCTTTTGTA TAGATTTTTG CATCTGAGTT TCATTCACTT
74551 CTTCTCTAAT TTTCAGTTATT GTTTTTCTTC TGCTAGCTTT AGGGTTGGTT
74601 TGTTCTTTTT TCCTAGTTCC TTTACGTCCA AAGTTAAATA GTTAATTTGA
74651 GCTCTTTCTA ACTTCTTGAT GAAGGTATTT AGTACTATAA ACTTTCCTCT
74701 TAACATGTTG AGCTACACCC TGGAGATTTT GGTATGTTGT GTCTCTATTT
74751 TCATTAATTT CAAAGAAATTG TTTGATTTCT GCCTTAATTT TGTGTTAAC
74801 CCAGAAGTTA TTCAGGAGCA AGTTGTTTAA TTTCCATGTA ACTGTGTAGT
74851 TTTGAGAGGT CTTCTTGATA TTGATTTATA TTTTATGCA CTGTGGTCTG
74901 AGAGTATGCT TGGTATGATT TCAAGTTTTT GAATTTATTG AGACTTGCTT
74951 TATGACCAAG CATGAGTTCTG ATCTTAGAAT ATGTTTATGT GGAGAAGAGA
75001 AGCATATATA TTCTGTGGTT GTTGGATGGA GTGTTCTATA AATGTTTATT
75051 ATGTCCAGTG GGTGAAGTGT TAAGTCCACA GTTTCTTTGT TAGTTTCTG
75101 CCTTGATGGT ATGTTCTAATG CTGTCAGTGG GGTACTGAAG CCTCACTGTA
75151 TTACTATTGT TTTGTTCTAAG TCTTTTCATA GGCCAAGAAG AACTTGTTTT
75201 ATGAATCTGG ATACTATAGT ACTAGGTGCA TATATGTTTG GTATAGTTAA
75251 GCCTTCTTGT TCAATTAAC CTTTATCATT ATGTAATGTC CTTCTGTGTT
75301 CTCCTTAATT TTTGTTGGTT TAAAATCTGG GTTATTTTAT ATGGGAATAG
75351 TGACTCCTGC TCTTTTTTGT TTTTTTGTG GGATAGTGAA TCTTTCTCCA
75401 TCCCTTTACT TTGAGCCCGT GTGTACCATT ACATGTTAGA TGGGTGTTAG
75451 CTTGCCACTC TTTTGTCTTT ATATGGGATG TTTAGCTCAT TTACATTCAG
75501 GGTATTATTT AATATGTGAG ATATTGATCC TGTCATCATG TTGTTAGCCG
75551 GTTGTTATGT AGAGTTAAGA TTGCTTTGCA GTGCCTGTGG GCTATGTGCC

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75601	TATGTGTGTT	TTTGTGGTAG	CAGGTGCCAT	TCTTTCAATT	CCACATTTAG
75651	CACTCCCTTA	AGGACCACTC	GTGAGGCTGG	TCTAGTTAAA	ATGAATTCCC
75701	TCAGCATCTG	CTTTTCTGAG	AAGGGTTTTA	TTTCTCCTTC	ACTTATGAAT
75751	CTTTGTTTGA	TGAGATATGA	AATTCCTGGT	TGAAATTTCT	TTTATTTAAG
75801	AGTGTGTGAA	ATAGTACCCC	AATCTCTCTC	GGCTGTGAAG	GTTTCCCGCT
75851	AGAGGTTTGC	TGCTAGCCTG	ATGGGTTTCC	CTCTGTGCAT	GAATTGACTT
75901	TTCTCTCTTC	CTTTAAGATT	TTTTCTTTTA	CCTTGACCTT	GGTGAATCTG
75951	ATGACTATGT	GCCTTGGGGA	TGGTTGACTT	ATATGGTGTC	TAACCAAGGT
76001	TCTCTGTATT	TAATTCGTTTT	GCATGTCATC	CTCTTTAGCA	ACATTAGGGA
76051	AATTTTTCATG	GACTATATCC	TCAAATATAT	TATCTGAGTT	TTTTATTCTC
76101	TCTCTCTCAG	GAATACCATT	GAGTCATAGA	TTTGGTCTCT	TTATAATAAT
76151	CTATATTATT	CAGAAGTTTT	ATTCACTTTT	AAAAATTATT	TTTTCTTATT
76201	TTTGTCCAAC	TGAGTTGATT	CGAAGAACTG	GTCTTTGAGC	TCTGAGATTC
76251	TTTTCTCAGC	TTTGATCCTT	CTGTTAATAC	TTTTGATTAT	ATTATGAAAT
76301	TCTTGTAGTC	AATTTTTTCAG	CTCTAGAAGC	TCAATTTGGT	TCTTTTTTAA
76351	ATGGCTATTT	CATCTTTTCAG	CTCTTAGATC	ATTTTACTAA	TTCTTTGGAA
76401	TCCTTGGGTT	GGTTTTCAC	TCTCTCCTGA	ATCTCCATGA	GATTCCTTGT
76451	CATCCAGATT	CGCATTCTA	TGTCTGTCAT	TTCACTCACT	TTTGATTGGT
76501	TAAAAACCAT	TGCTGGGGAG	CTAGTGGACT	TGTTTGGAGG	TAAGGGTGAC
76551	CTCTGGCTTT	TTGCATTGCC	AGAACTCTTG	AGTTGGTTCT	TTCTCATCTG
76601	AGAAGGTTGG	CGTTCCTTTA	ATTGTGGTGT	AAATTGAGTA	TAGTTAGTTG
76651	GCTTCATTTT	TGGATTCTTT	CAGAGGGCCA	ATGCTCTATG	CAGCTTCTTT
76701	ATTTGTGGCT	GAATPCTTAC	CTTGGTCTT	ATAGGGGGTT	ATATTAGCAA
76751	AGTATTTTTG	TTGTTGTAGT	TTGGGCTGCA	ATCCAGTAGA	TGAAGCTTAA
76801	GCGTATTTGC	TGGTAGAGGC	TCTTACTCTG	CTGCATGGCT	CCTTTGTATT
76851	TCCTGCCACT	TGCAAGCTTG	CTCTGTGTGT	CAGTGGCAAG	AGAGGTGACC
76901	CCTTCACTGC	ATTTACTCCT	GGGCCTTGGG	GGAACTCCTT	CCAATCACTG
76951	GCACGTGACC	TGCATTTCTT	TGTTTAGATG	TTTGGCTTGC	AGGGTTCCCT
77001	CAGTCAGAGT	CTGAAGTAGG	GAGTAGAGCC	ATACCTTTTC	AGCTTGCTCT
77051	TGTGGAGAAA	GGCATGCCTA	TTCTGCTGCT	GGCCCATGAA	CCCACGTGAC
77101	TCAACCTCT	TAGTGCTCTG	AGAATGTGGG	CTCCATTCCC	ACTCAAGTGC
77151	CTTAGTACTC	CTAGGCTATG	CACTGCAGCC	CTGGGGAGAG	ATCAGGGTTT
77201	TTGTTCTCTT	CCCACCTTGG	GGGCAGCAGA	GGTGGGGCTG	CAGTGGCAGC
77251	AATGGCATAC	AGCCTGCCAG	TTACCTCAGG	GGGTGCCACC	CCAAAGAAAT
77301	GCATAGCTAT	GGCTAATTTG	AGTGATCAGC	TAGGGATGGG	GCAGCTGTGC
77351	TGTGGGCCCA	AGCTTGGAAG	TAGGTGGGGT	GGGGGCTCTG	CCTAGGGAAG
77401	ACAAAAGAAG	ATAGTTTGGC	CTCTTCTCCA	TAGGATGGCT	GTGGTGTGCT
77451	ATAGGCCCTG	AACAACAATC	AGGCTGTTTG	TTCCCTTTCT	AGCCTGGGTG
77501	TTGGGGGTGA	TGGGTGGGTA	CTATGGTGGT	GGCAGTGACA	GAGGGCCTGT
77551	CAGTTGTCTC	TGGAAGCTCC	ACCCAGAGAA	AATGCAGAAC	CACCACATAAC
77601	TGATCAGGTG	GGAGTGGCAC	AGCTGCTCTG	GGGGCCTAAG	CTGGAAGGCC
77651	GTGCCCCAAT	AGGAGCAGCA	AGTTCAGAGA	GCTGCATGGA	AAACAGTCTG
77701	GCTGCCTTAC	TGTATGGCAG	CTGTGGCAAT	CTGGAGGCCA	ATGACAGTTC
77751	TTAGATTCTT	TACTCTCTCC	CCAGCCTGAG	GACAGCAGGG	GAGGGGGCTG
77801	TAGCAGTGGT	AATTCGACGA	GGCTTGTCAG	TTGCCCTTGG	GCAGTCCATC
77851	CCAGAGGAAA	GAAGAGCAAT	GACCAGCTGG	AATGTTTACA	TTGGGGTGGG
77901	GTGGCTGTGA	TTGGACCTTG	CCTGATGAGG	TACAGTCTGC	AGTTTATCCT
77951	CTCCTCAGCA	CCGTGCGTGT	GGTACCTATC	CTAGAGGTGC	ACGAGAGAGC
78001	CTGAGCTCCT	TTGTTTGTAG	GGCTATGSCA	GCTGGCACCA	ACGTGCTCAG
78051	AGATCCAAGG	CTCATGGAGC	TCAATGTGGG	TTTCAGTGGT	AGCTCTGCAC
78101	AGACTCCACA	AGCTCTCTGT	TCGATCTTGG	AACCCAGAGG	GAGCCGGGGG
78151	CCTCTCCTGT	GCCCAAGATT	ACAAAGGTCA	TGCAGACATG	TGGTCTTTGG
78201	GGACTCTCAC	TCATCCTCTC	ATCCTTTCTC	TGCAGCTGGG	AGCCTCCTCT
78251	GGCTCTGCAC	CAATCCTGGG	TGGGCAGCTG	TCCTACCTTG	CTCTTCTTTG
78301	CTTTCTGTGG	GTGCTGTGAT	CTTCTTTGAT	GAATCAAAAC	ATGGCCTTCT
78351	GTATGATGCA	CTTGAAGATC	TAGTGTTTAT	TTGCACTCTC	GCCTCTTCTC
78401	CATGAGACCA	GTGCACACTA	ATGCTTCTTA	TCAGTCTATC	TTGGCAAGTC
78451	AGCCATCATG	GCATTTCTTT	AACTTTCTTA	ATTATCTTGA	CAAAATGCAG
78501	AATATTTCTC	TAGCCAATTA	CCTAAAAGGT	AAAAACAAAA	CAACACAAAC
78551	AAAAACCTTT	TCACAATTTT	CTGTTAAAG	TAGACCAGTA	CCTCAAGAAA
78601	AAGTTGTTTT	AACATAAAGG	ATGAAATTCT	AATTTCCCTT	CATAGTGTTT
78651	TTGATATTAA	TGCTTAATTT	TTAGAAAAAT	TTTATAAATG	CACGCTTAAT
78701	CTTAGCTAGC	TTAATCAAGT</			

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78751 ACAGACTTTT TGTATTAGTC CATTCTCAAT GAAGAAATAG CCAAGACTGG
78801 GTAATTTATA AAGGAAAGAG GTTTAATTGA CTCACAGTTC CACATGGCTG
78851 GGGGAAGCCCC AGGAAGCTTA TAATCATGTT GGAAGGCAAA GGAGAAGCAG
78901 GCACCTTCTTC ACAGGCAGC AGGATGGAGT GAGTGCAAGC AGGGGAAATG
78951 CTAGATGCTT ATAAAACCAT CAGATCTTCT GAGACTCACT CACTGTCATG
79001 AGAACAGCAT GGGGGAAACC ACCCCCATGA TTTGATTATC TCCACCTGGT
79051 CCCGCCCTTG ACATGTGGAG ATTATGGGGA TTACAATTCA AGATGAGATT
79101 TTGGGTGGGG ACACAGCTAA ACCATATTAC TTTCTAATAT CCAGTCAGTT
79151 TTTTCCCCA AATAGTTCTT TCTCATTTTG GATCAATCAT TCTGCTCTAG
79201 AACAAAAATT ATTCTCTTTT TGTTTTAAAC GAACAATACA CATCCTCATA
79251 ACTTATGCTT TTCCTTACCA AAAGCACATC TTACCTATAT TGTATACTTG
79301 CATATAAAGT TGTTTTCTT ATTATTTCTA GTAATTTTAG TTACATATTT
79351 TAATTAGAAT TCTTAGCCCT TTATGACCTT AATTTCTAGT GAACACTAGG
79401 AAGCAAGCAA GTGTGAATAT CATGCCAGCA GTCTATAGAT TGGAAAACCT
79451 GTGAATTATA ATTCTAGGAG CATATACTTT TTTATAATAC ATTTTTTTCA
79501 ATGTGGCACA GAACATTTAT TAACAGTCCC AACTGTCTTT AGTCTCTCTG
79551 TAGTAAGAAA CTGTAGAGGA AACAAATTTT TATTTCTATC CTGTTAGGGC
79601 TTTTTTTTTT TTTTCCCATC CTTGTAAGA ATGTTAAAAG TTTCTGGTAT
79651 AGAAAGGACA TTTTTCACAT GGAATTCTA TCTTACCTCT ATTTGACTCT
79701 TGCTTTTAAC AATTATGCTT GAAATGCTCA TAAAGATGAG ACATTAAATA
79751 GCTAGCCATC ACCTTAAGTT ATTTTCTTG CTGACAAGCT ATGTCACATA
79801 GAGATAACAT GAACCTATTT TACTAAATAA ACCTAGGGGA GAAGAGTTGT
79851 GCATCTGTAT TATACTAAAT GCCGACAAC CTGAAGGTAT GCCTGCATTA
79901 ATCAAGCCAA TATACTTTTA TTAGCTACTA TTTACCGAAG ATTATCCAAG
79951 ATTATGTCAA CTTGAAAAAT ATTTTAGGTT TGTCTTAAG GGTTTAAGGA
80001 ATACCTATTT TATATAAGCA CTTATTTTTC TTTAAACCAA TTAAATAGTT
80051 CTCTTTTACA ACTTAATTTT GGCAATACCA TAAAGAAAAA GAAATATGTT
80101 ACACATTCAT AACATACATA CTGACATATA TAAATATAAA CATAAAAAACA
80151 GATCTTGTAG TATTCATTTA AAAATTTTAG CCAGGTGCCA AGTACAATAA
80201 CACAAAGCTC ACTAATCTGG AAGTGAATTT TTTTCTGGCC CATGGAACAA
80251 GATTACCCAC CCAGATGGCT AAAGCTTTTG ACTGATATTT GTAGAAAAGA
80301 CTTAAGATTT TTTCCATTGG CCTTCTCTAA GGAATCTTTT AAAGAGGAAA
80351 TCTTTGATTC ATTTTCATATC TTAGATATTT AATACTTCTG TGTATCCATT
80401 AAAGAGTGTG TCCCATTTGCT TTTGTGGTAT GTTGGATCCT TTCTTCTCTA
80451 ATGTGCCTCA CAAGTGACCA ATTTTATCTG GGTTAAAACT TCACTGTGGC
80501 CACTGTAATT CTAGTTGTC CTTAGTAAGG TTAACACATT TTAAAAAAAT
80551 GCACAGGTTT TGGGACCATA ATTTTGTAC ATGGAGAAAA TTGTGCTTAT
80601 TTTTGGTGTT TTTAAAGCGA TACATTGGGT TGACATACGT CGTGCACATG
80651 TACCCTAAAA CTTAAAGTAT AATAATAATA AAATAAAAAA AAAAGAAGCT
80701 AGCAGGTAGC TTTACTGATA TTTCTTTAAG GCAAATTTT CTTTTCTTTT
80751 TTCTTTATCA TTGTCTTCAT CCTCTTCTCT CTCCTTTCAC TCCTCTCTG
80801 AAGGTATTCA GGAAGAAGT GGCAACATGT AGGCAATAGT CTTTCTGCCA
80851 CTGGAGATGT TTTATCGTGT TCAGAGAAAC TAAATGAGAT ATACCAGAAT
80901 CCTCGCATAC TCAAGTCCTG CAGTTGGCCC TGCAGAACCT TCATATATAC
80951 AAAAGCCCTT CATATATGCA GATTTCCATT CCTGCAAATA TTGTATTTCC
81001 AATATGTGTT TGGTTGAAAA ATATCAGTTT AGAAGCTGAT ATTATAAGCT
81051 TGTAAGCTGA TATATTAAGC AGACCTACGC AGTTCAAACC CATGTTATTC
81101 AAGGGTCAAC TGTATGTTTA CAGGTCACTT TTCATCTGAA GGACTTTCAT
81151 GTCTGTACAC CAGGATGTTA TAATGATCTA TTGTGAGAAA TGTTCTTTGC
81201 AACTTACAGA AACATGAGAG TACAGCTTGT ATGGCTCAAC AGAATTCTGA
81251 TAACTCAAG GAGTAAAAAG AGAGAAGAAA TAAAGGCAGG TTTGAAGAAT
81301 GAGAAAGAAA TGATAGTCTT TTAGACAAGG AGTTAAGTAT TCAATTCGCC
81351 ATATTTTGA ATTCCACCAA GCTTTGGAAC ACTCTCCTTG GCCCAGAAAA
81401 ACTATCAGGA AACCCTACTT GAGCTAGGCT GCTAGTGAAT GTTTGCTATA
81451 CTTTGTATTT GTTACGGCCC TGTGTAGGAG AGAAAATGCT AAGCAAATAT
81501 TTGCACATTG CACTGTAAGG AAATAAAAAA TGCATTAGAA GTGAATCAGT
81551 TGACCTCATA TTGTTTCATT AGAAGTAATT TCTTTTGGAT TGTCTCATTG
81601 CCTATAAATG TTCTTCTTTT GCATCTTAAC AACAACCTCTG TCATGAGTAG
81651 TCTATGACTA GCTTATTTT TCCACTTTTG CTCCCATGA ATATGATAAG
81701 GACCTCTCCC ACTCTTTATG GGCCTGTGT TTTGCATCCT GCAAAGACTA
81751 AACACAGTTA ACATTGAATC CATCCTTTTC TTTAGAGGAA CATTTCTCAA
81801 ATTATCTCTA AGTTTTCGGT GTTTTACAGT AAAATGGATC AGGTCTAAGG
81851 GTTCTCTAAG AAAATTTAGC ATTTGACAT TTTATTTTTA TAGCAATTGA

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81901	AATACATCAG	TACAACCATA	TTCAGAAAGG	GCATTATGTC	AGACACTGCC
81951	AGGCTATTTT	AGATGTTTGT	CATTTTTTGAT	CATAGTTAGT	TTTTGGCCTT
82001	AATAATAAGT	ATTATTATTT	TACTTATTGC	CAGTGAATGA	TAGGATAGAG
82051	CTTAACATAA	TGCTTAAACG	ATGTGCTTGG	ATCCCCACAT	AGATCCACAG
82101	TTATTATATT	CCTTAGGGTT	TTGCTATAGC	TACGTAGAGG	AAAGGAGAAT
82151	TCAGTCATCC	CAATGCGCAT	GGTACCCTGG	GCATGCTGAA	CTCAAAAAGAA
82201	GCTATACTAC	AGCAGCTATA	TGCACAATAT	AAGTGCCAAT	TTAGTTTCAC
82251	CAAAAATCAT	CACTTTATAT	TAAATTCATA	TCACTGATTT	GAATTTTATT
82301	GGCCGACCTT	TTTAAGTTTT	ATATGTTAAG	ATTCTATAAT	TATATACAAC
82351	TCTAAGTGTA	AGAAAAGTTA	TTGCTAGTTT	TATGTGGGTG	CATATATAGG
82401	TAAATAAATA	AAAAATAATT	TAGATTGAAG	GTTTGTGTGA	TAACTTTCTT
82451	CCTTATAAGG	GTTTTTTCTT	GGAGTGATAT	CATTAAAGCA	TTTAAAAACAG
82501	ATTTTATGAA	GTAACACTG	ATACTAGAGG	AAAGAGCTAA	GCTCCATTCT
82551	AATTTGTGCA	GAGTGACTGG	GTATTCAGGG	AGAATAAGGG	AGTAGGGAAG
82601	AGGAACAGCA	GGGGCCTGAG	CAGAGTCAAG	GAAGTAAAA	ATTACAAAAA
82651	TCAGGAAGTG	GAGGTTGGTC	CCTGTAAACT	CATGTGGGTT	TGTTATCTGG
82701	TGCTCATCAA	AGTTAGACTC	CTAACCTTCC	TTAGAGATTG	GGAGACAAGA
82751	GCCCTATCTT	CAGGCATTGG	CTGGAAGAAA	CTGTCAATTG	TTCTGTCTAC
82801	CTTGAGTTTT	CTCAGGTAGG	AACTTTAAGG	GGTAGGAGGG	TAGGACCATC
82851	CTAGGGTTGT	GGCCTTGGGC	TTTTAGAAAC	TATTAATAGA	TTCGTGTTTG
82901	TTAAAGTCTT	TATAGGTTAA	TGTTGAGGCC	GAGCTGAGAA	GAGTGCTCAA
82951	AGGAACCTGG	ATAGACTTTG	ATTAAAGAGA	GAATCTTTGT	CAGTGATAAT
83001	TACAGAATGG	CACTTTCTTA	TAAACAGTGA	CTGCTATGTA	TTAACTGTTG
83051	TTAAGTGAAC	TTGATTTTAA	CATATTAGCT	GAAAAAATAT	GAAAGATTAT
83101	GCTCTTCATT	TCAGGGCCGA	GATCTGGACG	ATAAAATTCA	GGAATATAAA
83151	CAAGCTGGAA	AAATCTTTCC	AGAAAATCAA	ATAATAGAAT	GGTTTATCCA
83201	GCTGCTGCTG	GGAGTTGACT	ACATGCATGA	GAGGTATGTT	CATTTGCTAC
83251	TGGGGGAGCA	TGATATATTT	TTAACAGTCA	TGTTTGAAC	TGAAAAGTGA
83301	ATTTTTTTTT	TATAATTGAA	AGAAAACAAG	TTCAAAAGGT	ATATGGCTAA
83351	AATTAACAT	CTATAATATG	TTTTTCTTGG	AGAAAAGTGT	TGAATGATTA
83401	TATCTAGAGG	ATTTACTTGC	ATAGCTTTTT	GTTGCTGTTT	TGAAACTCAA
83451	GTTGGCCTTG	AATATAAGAC	AGAAATTTGT	ATTAAACACA	TTTCATTATG
83501	TCTGATCATG	TCCTGTGAAT	TACAGGAAGT	TCTCAGAAAC	CTTGGGCATC
83551	CTATGAATTT	ATTGTATCTT	ACAGCAGGCT	TGAGTTGTAA	ATACCTTAGT
83601	ATGCCACAAA	TGAATTGTGT	GGTCGCCTTG	GAATGTGTCA	GTGCACACTT
83651	AGCTAGGTTT	ACATCCCAAA	AGAGCTCAGT	AATTGAGACA	GAATGTATTC
83701	TTTCACCTCA	GAGGGATAAG	TATTCAGATA	GAAAGTCAGT	TTTGATATGA
83751	AGTATCTGAT	AATGAAGGTC	AATTATTTTG	ATTATCTGTG	ATTTACATTT
83801	ACAATCTCTG	CCTCAAAAAT	GTATTTTAAA	ACTTTTAATG	AAATTTTATA
83851	GGTCAAAAGT	AAGAAGTTTT	AGAAGTTAAA	TATTTTATAG	ACCCATAAAA
83901	TGATATGAAC	ACGTTTGAAG	AGATGAACAT	ACATAGACAA	AAAAGAAGTG
83951	GATATTCTGA	GGTGTCTGTG	GTCGCTTTCA	CCTTGAAGT	GGGGCGTTAA
84001	CACATGGTAC	CATTCTTCTT	GAACGAAAGG	GGGTAAATTA	TAAAGCACAC
84051	CAAGGTCTAA	CTATCCGTGG	ATGTCAGGTT	GCTTAAATGT	GTCATCTGTA
84101	CTTTCTGACA	GCATAAAAAG	TAATCGGATT	ATTCTGTAA	TGCCCATGTA
84151	TCTTCTAAAA	CACATGCTTG	TTGATACAGA	TAGCTACTGA	TTTATTGACA
84201	CCTCATAACA	ATCTGTTGGA	TGATGTCAAA	CTATCTTTAG	AAATCTTTTA
84251	TTAAAAGATT	ATTTGACTTA	AATGAATCAA	ATAATCTTTT	AATAAGCTAC
84301	CCAAAGCTAC	TGACTGTAAA	ACTTCTGTGT	ACATACATTT	ATATTGGTAT
84351	TTCTTTTATT	TCTTTATTTT	TTAGCATATT	GTTAGGTTAT	ATGCAAGAAA
84401	AACAACATAA	AAACAACACA	TATTAAGATG	CTAACTATGG	TATTCATATG
84451	ACAAAATACA	AAACTGGAAT	TTGGTTGATT	TAAGAACCCA	AATATTTTTG
84501	ATACCTTTAA	GACTGCTTAG	TAATAGTTAA	AATAAATGAG	TTTAAAAATA
84551	ACCTTTGAAC	AGAGGCTTAT	AATTTTAAAT	CCTTTAATAT	TCAAAGAAAG
84601	TCATTAAATG	AGACTAAATA	TTTGATATAT	TGTGAATCTG	TGGATCTGAA
84651	ATACAATCCT	TTGTGATTCA	GGTAACAAAT	GATGGTGTCT	CTTAGTCATT
84701	ATGTTATTAT	AACCAATTAC	TGTAAAATTT	TTATGTACAG	AGAAATTACA
84751	ATTTTATGTT	TCGGTTCATT	CATTCTTTCA	TTAGATAGTG	ATAAATTAAA
84801	AATAAGTCTC	AACCTCAAAG	AGCTGTTAGT	AAGCTAGCCG	ACATAAAACA
84851	TGTACCTCTA	TAACTATAAG	CCATGTACCA	TGGTGGATGT	GCACAATTCA
84901	TTGTCTCCAC	TATCACCAG	ATTCATGACC	TTGAGCAAGC	TGGTCATGAG
84951	AGCAAGCTCT	CCTCTCTGAA	CCTGTTTCTT	CATCTATTAG	ATTGGTGCAA
85001	AAGTAATTGT	GGTTTTTGCC	ATTATTTTAA	ATGACAAAAG	CCACAATTAT

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85051 TTTTGCACCT ACCTAATATA AAGTAAGGAT AATAATAGGA CTCTCCTTGC
85101 TTACATTAAA GGGTAGAAAA TATGCATTCA GATATTAGAC AGTTTAAAAG
85151 TTTGCAAAAT GTTAAGCTCT ATGTAATGTT CTTGTTATAA TTTAATATAG
85201 AAATGAGAGC ACAGACATCA AAAGGGGTTT TAAAAACGAT GACAGTAGCA
85251 AGTGTGAGTA AACATATGGA GTACCTGGAA TTATTTTATA TTGTTAATAG
85301 GGTATACATT GATATAAACA CTTTTGAGAA ATGTTTGCAA AACTTTCTAA
85351 GCCAAACATA CAAATAGCTA TGACCCAGTA ATTCTATTCC TAAGGGTAGA
85401 AATGAGTGCT GATGTCCAAC AAAAGGTATG CAGAAATGTC CATAGAAGCC
85451 TTTTTTGTAA TAGTGA AAC ATTA AAAAAT ATT CATCTAC AGTGGAATGG
85501 TTAACCTGAG TGTGGTATGG CCCTATAATG GACTTTTAAA ATTACTATTCT
85551 TATAATTTAA AAACAATACA CAATTGATAA TAAGCATGAC CTGGGTGAAT
85601 CTCAGAGATC AGAGGTAGGA TGACAGAAGC CAGATGCAA AGAGTGTATA
85651 CTGCATGACT ACATTTATAT GAAGTTCAA AATAGGCAA ACTAACCTAA
85701 GATAAGTCAG AATAGTGATT ACTCTTGCAA AGGGGTTTTG CCTGGAAGGG
85751 GCACAAAGAA ACCTGGGATG TTAGAAATGT TCTATATCTT AATCTGGATA
85801 GAGGATTACA AGAGTGGTAC AGATGTTGAT ATATATGTAA AAAATCATCA
85851 AATTTAAGAT TTTTGCATT TAATGTAAGT TATACTCTAG TTTAAAACAA
85901 GTGATAAAG GGCCAAGAAA AGTACAATTT AGTGTTACAG GAGATCAGAA
85951 GAGAGATAAT GTTTTCATTT GGAGAATCAA TGGAGGCTTC TTCTTGGAAG
86001 AAGTAGCACT TGACCCAAGG TAGGTTTCAA GTATGATGAA AAATGGGTCA
86051 GAGCTTTCCA GATATAGGGA ACAGAGCACA GCCACAGAGG TGGGAAAACA
86101 TGGAACTTTT AGAGAGAATC ATGAGTAGTT CTATTGGGAA GGTTCTTGGA
86151 GTAATGAATA AAGTTGTTG CAAAGGTAGG CTGAGGTCAA GAGGGCTTTA
86201 TTTTGGAGCA TAGACATTGA ACTCCACAAG AGCTTTTGA GTGGAGTTAT
86251 ATAATATTGC CAGAGCTTGC TTCAGGAAGG TTAGATGATA AATTATATCA
86301 AGGAGAGAAG GTAACCTGGG TTATCAGTCA AGAACCTTTT ATAATATCCA
86351 TGCATGAGAT TGTGAGACCT AAACCAAGCT GGCAGAGGTG GGTAGAATGA
86401 GGAAAGATGA GAATGAATC AGTAAGTTGA AATGACTGGA CTTGCAATTA
86451 AGTGTATCTG AGATGTGATA GAAGGTCAA GATGAACCTG AGGTTTGTG
86501 CCTGGATGAA TGAGAAATTG GAAAGACAGG TTTGAAACAA TGGTGATGAG
86551 TTTAATTATG AATATGCTGG GTAGAATATG GAGAGAGAAG AAGGAGAGGG
86601 AGGAGAGAGA GAGAATGAGA ATGAGAGAAG GAAGTTAGAA GTGAGGCTCT
86651 GGATCTTAGG GAACCATCAG GGCTTGACTT TGTTTGGGTT CCTACAATAT
86701 CAGAGCCCTG AAACAAAGAC TAGGGTACAA ATAGAGTTT AGGAGGTAAT
86751 CTTAGAAATC AGAAGCCAAT AAGTGGGAAG AGTGAGAAGG AGAAGCCAGA
86801 AAAGCTGTGC AGAATGCATG GTTGAAC TAGGCTGCTGT GGGTAGAGGG
86851 ATGCAGAGGC AGGACTCTTC TAATAGTGTT TTAAGTTTGA AGTTTCTCTT
86901 CCTGCATTCT TTCCTGAATT TTTGGGAAA AAAAGAAAA GCAGGCCGGG
86951 CACAGTGGCT CACGTCTGTA ATCCCAGCAC TTTGGGAGGC CAAGGCGGGT
87001 GGATCACAAAG GTTAGGAGTT TGAGACTAGC CTGGCCGACA TAGTGAAACC
87051 CCATCTCTAC TGAAAATACA AAAAATTAGC GAGGCATGGC GGCAGGCACC
87101 TGTAATCCCA GCTACTTGA GGCTGAGGCA GGAGAATGGC TTGAACCTGG
87151 GAGGTGGAGG TTGCAGTGAG CCGAGATTGC ACCATCGTAT TCTAGCCTGG
87201 GTGACAGTGC AAGACTCCCT CTCAAAAAAA AAAAAAAAAA AAGGCAATCT
87251 TGCTTAAATA TAACTATTGT TTTCTAGCAC TATTGTGAAT TTCTCTTGA
87301 AAAATTTCTT GTATTTCTGG GAATTTGGAG TGAGGAGGGG GAGGAAGTTG
87351 GAGTGAGGAG GGGGAGGAAG TTGTCTTCAT CTTGATCCAA TTTTAGAATG
87401 GTTTTAAAT GGAGCAGTTA TATATATATT ATTCCTGATT GTAAATGTAT
87451 AATCTATGTT TCACTTCTGT TGGTTTTAG TATTTAATTT AGTATAAAC
87501 ATGTTTCTCT CAGAAAATAA ACTTATTTAT CTTAATTGTC TGACTTTAAA
87551 ACTTTTTTAA TCCAAAGGAA TGATTTTTTT TAGCATATGG CATAAACATT
87601 TATAAATAAT TAAAAAGCCA AGACTATTCA CAGTTCACTG AAAGCTACTT
87651 TGAGAACGTA GCACTAAAAC ATGTTCTTGC CGAAGGGAGT CATGCTGTAT
87701 TAACAAAACCT CCAGTGTCTG GGCTTACAGC AGCAATCATT TCCTGCTCAT
87751 GTTGCAATAT GACAGATATG GGTCACTGTC AAGTCTGCTC TACATGTCTT
87801 CATTCAGTA CCCAACTGA AGGAGCAGCC CTATCCAGGA CAGGCTTTAC
87851 TCCTGGTGGG GGGAAAAGCA AGAGAGTGGA AACCCTTGC TCAGACATGA
87901 CAATCATCCA GTCTGCTCAC ATGTCATTAA CCAGAGAAGT CACATGACCA
87951 CTCTTAATGT CAGAGGGGGT GGAGATGCCT CTTCTCCCA AAGGGACCCC
88001 TCACTGCAAG GAATAAGAAG CGTGAATACT TGGGAACAAG AATAAGTCTA
88051 CTACAATGTT TCACTCAGCT TTAGACTAAA ATCTTTCAA TTACAGCTGA
88101 TAAATATAGG CTTGTCTACA AAGCATTATT CTAGTTTCT CTTATATGA
88151 TCTACAGTAT ATATTAAGT ATATTTTGAA AATTACATAA ATTGGCTTAC

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88201 ATATGAGTTA AGATTACCTT GGAAACAATA CATGTGAAGA GGTTAGGTTT
88251 GTTGCAAATG CCTTGCAAAA ATTTTAGTTT ATATATATGA TGGTTGATTT
88301 TATGTGTCAA GTTGACTGGG CAGTAGATGC CCAGAATTAC ACATTGTTTA
88351 CAGGTGTGTC TTTGAAGATG GTTCTGGATG AGATTAGCAT TTGAATCTGT
88401 GGACTCAGTA AAGTAGATTG CCCTCCACAG TGTGGGCAGG CATCATCCAA
88451 TCCCTTGATG GCTTGAATGG AACAAAAGAC AGAGGAAGGA GGAATTTGCC
88501 CCCTTGTTCC TGCCTCACTA CTTAAGCTAG ACATCTCATC TCCTACCCCTC
88551 AGACTGGGAT TTACACCATT GGCTCCCTCG GTTCTCAGTC CTTTGGACAG
88601 GGACTGAATT ACACTATTGG CTTTCTGGG TCTCTAGCTT GTAGACAGCA
88651 GATTGTGGGA CTTCTCAGCC TCCCTAATTC ATGAGCCAAT TCTTCATAAT
88701 AAATTCATTA AGATAAGGA CCAGACTAAT ACAGTGCAGC CGTAGAGGAG
88751 ATAAAGAAGA CCCTGGAAAC ACTAAGAAGA ATGAAGTTAC AGAAAAAGTG
88801 AAGAATCTGT TCACTCCTTT GGAGCTTCCT GTACTTATTT TAATTTGGTT
88851 TATTTATACA TTATTCTAAA TCTATAACAT ATGGCATAAA CACATAAATA
88901 ATGATGTTAA AACCTGAGAA AATTCACAGT TCACTAGAAG CTATCTTGAG
88951 AATGTTGCAC TGAAACCCAT TACTGTTCTG GGCGGGGAGT TCAGTTATGT
89001 CAATTTCTTA AGATAAGGA CAGAGCAGCC TCTCTGCAGA GAGCCCACCT
89051 GCTGGTGGTC TCAAGGCCTT GCTGATTTTG GTGCTTTCCA AGTAGAGGAG
89101 AGAACAGGGC TGGGCACTTA CTCCAAGACG GCTTCTCAT CACCTCACTG
89151 CCCATGGATT TCCCAGCCAG CTTGGCGAGG TATTGTGGTA GAGTGGCTAA
89201 AATGTTCCCT GAAAGGTAGT GTTTCTTTTC TTTCTTTCTT TCTTCTTTTC
89251 TTTCTTTCTT TCTTTCTTTT TTTCTTTCTT TCTTCTTTTC TTTCTTTCTT
89301 TCTTTCTTTA TTACTACTTA AGTTCTAGGA TACATGTACA CAACGTGCAG
89351 GTTTGTACATA TATGATACATA TGTGCCATGT TGGTGTGCTG CACCATTAAT
89401 CTCGTCATTT ACATTAGGTA TCTCTCCTAA TGCTATCCCT CGCCTTCCCC
89451 CCACCCCATG ACAGGCTCCA GTGTGTGATG TTCCCCACCT TGTGTCCAAG
89501 TGTTCTCATT GTTCAGTTCT CACCTATGAG TGAGAACGTG CAGTGTGTTG
89551 TTTCTGTGCC TTCTGATAGT TTGCTCAGAA TGATGGTTTC CAGCTTCTTC
89601 CATGTCCCTA CAAAGAACAT GAACACATCC TTCTTTATGG CTGCATAGTA
89651 TTCCATGGTG TATATGTGCC ACATTTCTT AATCCAGTCT ATCACTGATG
89701 GAAATTTGGG TTGGTTCCAA GTCTTTGTTA TTGTGAATAG TGCCACAATA
89751 AACATACGTG TGCATGTGTC TTTATAGCAG CATGATTTGT AATCCTTTGG
89801 GTATATACCC AGTAATGGGA TGGCTGGGTC AAATGGTATT TCTAGTTCTA
89851 GATCCTTGAG GAATCGCCAC ACTGTCTTCC ACAATGGTTG AACTAGTTTA
89901 CAATCCCACC AACAGTGTA AAGTGTTCTT ATTTCTCCAC ATCCTCTCCA
89951 GCACCTGTTG TTTCTGACT TTTAATAAT TGCCATTCTA CCTGGTGTGA
90001 GATGGTATCT CATTGTGGTT TTGATTTGCA TTTCTCTGAT GGCCAGTGAT
90051 GATGAGCATT TTTTCATGTG TCTTTTGGCT GCATAAATGT CTTCTTTTGA
90101 GAAGTGCTG TTCAATCCT TTGCCACTT CTTGATGGGG TTGTTTGATT
90151 TTTTCTTGTA AATTGTTTA AGTTCTTTGT AGATTCTGGA TATTAGCCCT
90201 TTGTCAGATG GGTAGATTGC AAAAATTTTC TCCCATTCTG TAGGTTGCCT
90251 GTTCACTCTG ATGGTAGTTT CTTTGTCTGT GCAGAAGCTC TTTAGTTTAA
90301 TTAGATCCCA TTGCCAATT TTGGCTTTTG TTGCCATTGC TTTTGGTGT
90351 TTAGTCATGA AGTCCTTGCA CATGCCTATG TCCTGAATGG TATTGCCTAG
90401 GTTTCTTCTT AGGGTTTTTA TGGTTTTAGG TCTAACAGTT AAGTCTTTAA
90451 TCCATCTTGA AGAAATTTAA TATAAGGTGT AAGGAAGGGA CCCAGTTTCA
90501 GCTTCTACT TATGGCTAGC CAGTTTTCCC AGCACCATT ATTAAGAGG
90551 GAATCCTTTT CCCATTGCTT GTTTTCTCTA GGTGTGTCAG ATATCAGATA
90601 GTTGTAGATG TGTGGTATTA TTTCTGAGG CTCTGTTCTG TCCCATTGGT
90651 CTATATCTCT GTTTTGGTGG CAGTACCGTG CTGTTTTGGT TACTGTAGCC
90701 TTGTAGTATA GTTTGAAGTC AGGTTGTGTG ATGCCTCGAG CTTTGTCTT
90751 TTGGTTTAGG ATTGTCTTGG CAATGTGGGC TCTTTTTTGG TTCCATATGA
90801 ACTTTAGTTT TTTTTCCTCA ATTCTGTGAA GAAAGTCATT GGTAGCTTGA
90851 TGGGGATGGC ATTGAATCTA TAAATTACCT TGGGCAGTAT GGCCATTTTC
90901 ACGATATTGA TTCTCCTAC CCATGAGCAT GGAATGTTCT TCCATTTCTT
90951 TGTGTCCTCT TTTATTTCTT TGAGCAGTGG TTTGTAGTTC TACTTGAAGA
91001 GGTCTATAC ACATCCCTTG TAAGTTGGAT TCCTAGGTAT TTTATCTCT
91051 TTGAAGCAAT TGTGAATGGG AATTCATTCA TGATTTGGCT CTCTATCTGT
91101 TATTGGTGTA CAGGAATGCT TGTGATTTT GCACATTGAT TTTGTATCCT
91151 GAGATTTTGC TGAAGTTGCT TATCAGTTTA AGTAGATTTT GGGCTGAGAC
91201 GATGGGGTTT TCTAAGTATA TGATTATGTC GTCTGCAAAC AGGGACAATT
91251 TGACTTCTC TTTTCTGAT TGAATACCCT TTATTTCTT CTCCTGCCCTG
91301 ATTCCCCTGA CCAGAACTTC CAACACTATG TTGAATAGGA GTGGTGAGAG

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91351 AGGGCATCCC TGTCTTGTGC CAGTTTTCAA ACAGAATGCT TCCAGTTTTT
91401 GCCCATTACG TATGATATTG GCTGTGGGTT TGTCCTAAAT AGCTCTTATT
91451 ATTTTGAGAT ACATTCCATC AATACTTAGT TTATTGAGAG TTTTGGGTAT
91501 GAAGGGCTGT TGAAGTTTGT CGAAGGCCTT TTCTGCATCT ATTGAGATAA
91551 TCATGTGGTT TTTGTCTTTG GTTCTGTTTA TATGATGGAT TACGTTTATT
91601 GATTTGCATA TGTTGAACCA GCCTTGCATC CCAGGGATGA AGCCAACCTG
91651 ATCGTGGTGG ATAAGCTTCT TGATGTGCTG TTGGATTACG TTTGCCAGTA
91701 TTTTATTGAG GATTTTTGCA TCGATGTTCC TCAGGGATAT TGGTCTAAAA
91751 TTCTCTTTTT TTGTTGTGTG TCTGTGGGCT TTGGTATCAG GATGTTGCTG
91801 GCCTCATAAA ATGAGTTAGG GAGGATCCCT CTTTTTCTGT TGATTAGAAT
91851 AATTTTCAGAA GGAATGATAC CAATTCATGT TTGTACCTCT GGTAGAATTC
91901 GGCTGTGAAT CCATCTGGTC CTGGACTTTT TTTGGTTGGT AGGCTATTAA
91951 TTATTGCCTC AATTTTCAGAG CCTGTTATTA GTCTATTACG GGATTCAACT
92001 TCTTCCTGGT TTAGTCTTGG GAGGGTGTAT GTGTCCAGGA ATTTATCCGT
92051 TTGTTCTAGA TTTTCTAGTT TATTTGAGTA GAGGTGTTTA TAGTATTCTC
92101 TGATGGTAGT TTGTATTTCT GTGGGATCGG TGGTGATATC CCCTTTATCA
92151 TTTTTTTTGC ATCTATTTGA TTCTTCTCTT TTTTCTTCTT TATTAGTCTT
92201 GCTAGCTGTC TATCAATTTT GTTGATCTTT TGAAAAACCA GCTCCTGGAT
92251 TGATTGATTT TTTGAAGGGT TTTTGTGTGC TCTATCTTCT TCAGTTCTGC
92301 TCTGATCTTA GTTATTTCTT GCCTTCTGCT AGCTTTGAAT GTGTTTGCTC
92351 TTGCTTCTCT AGTTCTTTTA ATTGTGATGT TAGGGTGTCA ATTTTAGATC
92401 TTTCTGCTT TCTCTCATGG GCATTTAGTG CTATGAATTT CCCTCTACTC
92451 ACCGCTTTAA ATGTGTCCCA GAGATTCTGG TATGTTGTGT CTTTGTCTC
92501 ATTGGTTTTCA AAGAATATCT TTATTTCTGC CTTCAATTTT TTATGTACGC
92551 AGTAGTCATT CAAGAGCAGG TTGTTTAGTT TCCATGTAGT TGAGCGGTTT
92601 TGAGTGAGTT TCTTAATCCT GAGTTCTAGT TTGATTGCAC GGTGGTCTGA
92651 GAGACAGTTT GTTATAATTT CTGTTCTTTT ACGTTTGCTG AGGAGGGCTT
92701 TACTTCCAAC TATGTGGTCA ATTTTGGAAT AAGTGCAATG TGGTGCTGAG
92751 AAGAATGTAT ATTCGGTTGA TTTGGGGTGG AGAGTTCTGT AGATGTCTAT
92801 TAGGTCTGCT TGGTGTGAG CTGAGTTCAA ATCCTGGATA TCCTTGTTAA
92851 CTTTCTGTCT TGTTGTTCTG CCTAATGTTG ACAGTGGGAT GTTAAAGTCT
92901 CCCATTATTA TTGTGTGGGA GTCTAAGTCT CTTTGTAGGT CTCTAAGGAC
92951 TTGCTTTATG AATCTGGGTT CTCCTGTATT GGGTGTATAT ATATTTAGGA
93001 TAGTTAGCTC TTCTTGTGTG ATTGATCCAT TTACCGTTAT GTAATGGCCT
93051 TCTTTGTCTC TTTTGATCTT TGTTGGTTTA AATTCTGTTT TATCAGAGAC
93101 TAGGATTGCA ACCCTGCTT TTATGTTTTG TTTTGTTTTC CAGTTGCTTG
93151 GTAGATCTTC CTCCATCCCT TTATTTTGTG CCTATGTGTG TCTCTACACA
93201 TGAGAGGGAT CTCTGAATA CAGCACACCG ATGGGTCTTG ACTCTTTATC
93251 CAATTTGCCA GTCTGTGTCT TTTAATTGGA GCATTTGCGC CATTACATT
93301 TATGGTTAAT ATTGTTATGT GTGAATTTGA TCCTGTCATT ATGATGTTAG
93351 CTGGTTATTT TGCTCGTTAG TTGATGCAGT TTCTTCCTAG CATCGATGGT
93401 CTTTACAATT TGGCATGTTT TTGCAGTGGC TGGTACTGGT TGTTCCCTTC
93451 CATGTTTAGT GCTTCCTTCA GGAGGTCTTG TAAGGTAGAC CTGGTGGTGA
93501 CAAAATCTCT CAGCATTTGC TTGTCTGTAA AGGATTTTAT TTCTGCCTCA
93551 TTTATGAAGC TTAGTTTGGC TGGATATGAA ATTCTGGGTT GAAAATTCTT
93601 TTCTTTAAGA ATGTTGAATA TTGGCCCCCA CTCTCTTCTA GCTTGTAGAG
93651 TTTGTGCTGA GAGATCCGCT GTTAGTCTGA TGGGTTTCCC TTTGTGGGTA
93701 ACCCGACCTT TCACTCTGGC TGCGCTTAAC ATTTTTCCTT CATTCAACT
93751 TTGGTGAAAC TGATAATTAT GTGGCTTGGA GTTGCTCGTC TTGAGGAGTT
93801 TCTTTGTGGC ATTCTCTGTG TTTCCCGAAT TTGAATATTG GCCTGCCTTG
93851 CTATATTGGG GAAGTTCTTC TGGATAATAT CCTGAAGAGT GTTTTCCAAG
93901 TTGGTTCTAT TCTCCCTGTC GCTTTCAGGT AACTAATCA GATGTAGATT
93951 TGGTCTTTTC ACATACTCCT ATATTTCTTG GAGTCTTTGT TCGTTCCTTT
94001 TTTACTTTTT TTCTCTAAAC TTCTCTTCTC GCTTCATTTC ATTCATCTGA
94051 TCTTCAATTA CTGGTACCTT TTCGTCCACT TGATCAAGTC AGCTACTGAA
94101 GCTTGTGCAT GCGTCACATA GTTCTCGTGC CATGGTTTTC AGTTCCATCA
94151 GGTCAATTTAA GGTCTTCTCT ATGCTGTTTA TTCTAGTTAG CCATTCATCT
94201 AATCTTATTT CAAGGTTTTT ATCTTCTTTG AGATGGGTTT GAACATCCTC
94251 CTTTAGCTCG GGAAGTTTTG TTATTACCTA TCGGCTGAAC CCTTCTCTC
94301 TCAACTCGTC AAAGTCATTC TTCGTCCAGC TTTGTTCCGT TGCTAGCGAG
94351 GAGCTAGGTT CCTTTGGAGG AGAAGAGGTG CTCTGATTTT TAGAATTTTC
94401 AGCATTTCTT CTCTGGTTTC TCCCCATCTT TGTGGTTTTA TCTCCCTTTG
94451 GTCTTTGATG ATGGTGACGT ACAGATGGGG TTTTGGTGTG GATGTCCTTT

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94501 CTGTCTGTTA GTTTTCTTC TAATAGTCAG GACCCTCAGC TGCAGGTCTG
94551 CTGGAGTTTG CTGGAGGTCC ATTGCAGACC CTGTTTGCCCT GGGTATCACC
94601 AGCAGAGGCT GCAGAACAGC AAACATTGCA GAATGGCAAA TGTTGCTGCC
94651 TGATCCTTCC TCTGGAAGCT TGGTCTCAGA GGGGCACCTG GCTGTAGGAG
94701 GTGTCTGTTG GCCCCACTG GGATGTGCCT CCCAGTTAGG CTA CTCTCGGGG
94751 CTCAGGGCCC AGTTAAGGAG GCAGTCTGTC CGTTCTCAGA TCTCAAACCTC
94801 TGTGCTGGGA GAACCACTGC TCTCTTTAAA GCTATCAGAC AGGGACGTTT
94851 AAGTCTGCAG AAGTTTCTGC TGCCTTTTGT TCAGCTATGC CCTGCCCCCA
94901 GTGGTGGAGT CTACAGAGGC AGGCAGGCCT CCTTGAACCTC CGGTGGGCTC
94951 CACCCAGTTT GAGCTTCCAG GCCACTTTGT TTACCTACTC AAGCCTCAAT
95001 AATGGTGGAG GCCCTTCCC CAGCCTCGCT GCCCCCTTGC AGTTGGATCT
95051 CAGACTGCTG TGCTAGCAGT GAGAGAGGCT CCGTGGGTGT GGGACCCTCC
95101 AAGCCATGCA TGGATATAA TCTCCTGGTG TGCCATTTGC TAAGACCATT
95151 GGAAGACAC AGTATTAGGG TGGGAGTGTC CCAACTTTCC AGGTACCATC
95201 TGTACGGCT TCCCTTGA CT AGGAAAGGGA ATTCCCTGAC CCCTTGCACT
95251 TCCCAGGTGA GGTGATGCCC CGCCCTGCTT CAGCTCACGC TCTGTGGGCT
95301 GCACCCACTG TCCAGCAAGC CCCAGTGAGA TGAACCCGGT ACCTCAGTTG
95351 GAAATGCAGA AATCACCCAT CTTCTGTGTC GCTCATGCTG GGAGCTGTAG
95401 ACTGGAACCTG TTCCTATTCTG GCCATCTTGG AACCTCCTCC CTGTTGTGTT
95451 TTTTCTGAA AGGTAGTGTT AAGAACTCAT TTTAATGTA GTGAGGCTTC
95501 CAGGGAAGAG CCATACTTGG AAATCTGAGT CCGTAAATAT GACTGTGGAA
95551 GGAGGTGTCC TACCCAGAT TTGAAGATGG AAAAGCAGAG AGAAGTTGTG
95601 TTTGCTGTTA CTGGAGATTC CTGCTTTCTC CTGGTCTCA CTTCTTGAGG
95651 ATATCCTGCA GTCACCTTTT CAAGGTAACC TCACCCCTGA GCCAGGTGTA
95701 GGCACACTCC TGATATGCTG ACAGTGGCCA ATAGTTTGAG GAAGACCTGA
95751 CCCTGCTTCT GACTTACAAC ATAGAGGACT CATTGTGTTA GTGAGGGGAA
95801 TGAGACTGAT GAAGAAAGGC AGGTGCCTCA GTGCCCAGGA CAGGGGCCAC
95851 ATGGCAAAGA CCAGTAACAG GAGTTGCCTG GGTGTGTCAT CACAAAGGAG
95901 CCATTGGCTG TGCCAGCACC TTTGGCAAGA AGAGTTTGTG ATCCACCCTG
95951 AGAACCTGCT AGATGAAGGA TAGACCTCCA GGGAGGGTTT CATATCATAA
96001 ACTGTTTATA TTAGGGCTTG AGGGGAGGTG AGAGGAATTG TCCATACCTT
96051 CTCACAGTT CTACCTTGGG CTGGAGGCCT GAGAAATGCC TGCCCTCTGT
96101 ACCTCCACAG ACTGTTCTTC ATCCTAGCAT GGGCCCTGGA TGCTGGGGAA
96151 GAATGACCTG ATGGGGAGAT GGAGATGGGA TTTTGTAGAT GAATTTGAAC
96201 CAGAACTGT CAGCAAATCT TAACCAGATC ACTTGGGTGT CATGAAACAT
96251 AGAAATGAGA GGGACCCACC ACTTGAACAG ATATGGTATG GTGCACTTGA
96301 GATAATAGAT GGAGAACTGT GTTGAGCTTT TTAGAAGAAA GATTTCATAT
96351 AAACCTTATT GCCTGTTACC TTATTATTG TTGGATTTC TTTTCATATA
96401 CTTCAAAGGA ATGGATATTA GCCAAACATA GGATAAAAT ATGCTGGCTC
96451 ATTTTGGCTT ACTGTAACCA CAAAGCCAAT ACATTACGAT TTTTTTTTTC
96501 TCCTGAGACG GAGTCTTGCT CTGTCACCTCA GGGTGGAGTG CAATGGCATG
96551 ATCTCGGCTC ACTGTAACCT CTGCTTCCCA GGTTCAAGCA ATTCTCCTGC
96601 CTCAACCTCC CAAGTAGCTG GGATTACAGG CATACGCCAC CATGCCGTC
96651 TAATTTTTGT ATTTTTAGTA GAGATGGGGT TTCACCGTGC TGGCCAGGCT
96701 GGTCTCGAAC TCCTGACCTT GTGATCTGCC TGCTCGGCC TCCCAAAGTG
96751 CTGGGATTAC AGGCATGAGC CACCATGCAT GGCCAATTAT AATTTTCAA
96801 TAGATATTTA GCAAATAGCT TGATACCTGG TTTGTTGCAT AGAATTTATT
96851 GTTCCATTAC CACAGTGCCA GCTAATTACT TCTCATAACT GCTTTCTAAC
96901 ATATTGTATG CCTTATTCTT AAAGTATCTA CTGATGAGTT ACTAATTTAT
96951 ATATTTATAG AGGCCTATCA ATGTATTATT TGTAATTCAT CTTCTGCTTG
97001 TCTAGTCTAG GTGTCATCAG GTGAGTTTCT TTGGAATGTT TTACTTACTC
97051 CAAAGTTACA GCACCAAGTC TTCTGGTGGG CTCCTTAGCT CACTATTGCA
97101 AATCCTAAAC CTGTTGPTCT TTTGACTTCC TAGAATCAAT AGCTATAGAA
97151 ACCAAGTGAT CAACTTAAGA CACTCTTAAT TGCAAATAAC AGAAGCAGAT
97201 TAAACAGTAG AGAAAATTA TTACCTTGCC TAACATGAAG TCTCCAAAGT
97251 GAGTTGTTCT AGAGCTGGTT AACTTGGGTG GCTGAGCAGT ATTCTCTGGG
97301 GTTCTAGTTC TTTCTCTTTA TTCCACCATT CTCAGTGTGT TTGGCTTTTG
97351 TAGTCAGACT TGTCTCTTTG TGGTTGCCAG AATGGCTGTA ACACGACCAC
97401 GTATCCCGCC TTCACACAAC AGTAACCAAA CTCCAGAAAA GGTAAAAGGG
97451 ACATATGGCA TGTCACTCCC CCCTTTTTTT GTCTTTTATA AGAGTAGGGA
97501 AGTATTTCTT ACAAGATTCC AGCAGACTTC CTTGTGTCT CATTGATGTT
97551 AGAAAAATTT CAAAAACAT GGAAGAGACA AAAGATATTA GTGGATATTT
97601 TTCCACTGCA GTGCTGGACT TAACCTTCTA TTATCTGGGC TACTTCCTAA

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97651 CTCTGTGGAG GCAGAGGCAC ACTTGAATAT TTTTGTCCAG CAGAGATGCA
97701 AATAATTTCT GTCCAGTAGA ACAGATATCC CTGGTGATGA TGGTTTATGG
97751 CCTTGTGGG CATTAAACCAG TTTTGTATCT AACTCAGCAA TCATATCCCC
97801 CTGCCACATT CACCCCTAC ACCCCCACT TCCTTTACCT AACAGGCTG
97851 AGGAGGGCTG AGCCTCCCCA GAGGCTCATG GGGTTCTGGT GTCAAGGGAG
97901 AAGAGGAGGA GAATGGTTAT TGGGTAGGCA TTTCACAGTT CCTGCCACAC
97951 CAAGAGAACC CCAAGAGTAG GCATAGAGAA AGCCAGGTTT CATTTAACAC
98001 AGTTAGTAAA TACTGTTGTT CTCTTTTAA ATCAGTTAAG AAGTCAGCAA
98051 CATACTCATG TACAGCATAG GTCTAGGTAT CGTGGGAATG TAAGAAGGCA
98101 GTAGAAAATA GTTATTAAAT AGCAAAGTTT TTATAGATAA ACAGACCTAT
98151 GTGAGAAATG TGGTTTATAG AGTCAAAGAG ACCTCAGTTT GAACCAATAG
98201 GCTATACAAC ATTGGGCAAG TTATTTGGCC TTTCTAGGCC TTGATTTCTT
98251 CATCTCCAGA TTGGGCATAA CAGTAAAAAA ATAGTAGTAT AGTGCTTAGG
98301 ATTATAGCAT CTGGGGTTAT GGACCTCAAG ATGAAGTGGC CTAGTGTTGC
98351 ATTGTCTAGT TTTGCTCTTC TCTTTTCTCT CTATTCTTAG AAACATACTT
98401 ATTCCTCTCT AATCCACTAA AGGGTTAAAG AGGCTAAAGA TTATTTGAAT
98451 TAGGGGAAAT TCTCACTATC ATATCCAATT CTTCACTTTA TATGCTGATG
98501 TTATAGGCCG GGTGAGTTT CTGCCCATTT GTGTCCTATA AAGTAAACTA
98551 TATGATCTTT ATGAGTGACT TTTCTTTAAA ATGTTGTTAG TCAGAATTTG
98601 CTTAGTCAGA ATAAAGCTGG ATGGTTGAGG CCTGAACACT TTACAAAGGT
98651 AACATTATTA CACTTGTACT ATCATTAATT CTAATGGTAA AAATTATTTT
98701 TATAATTGAT ATTTCTGGTT TTAATTAATA ATAGTAATAT TAATTTGGTG
98751 GGCATGTAAC TGAGAGTGAT CATTTACTGA GAGAGATATT TCCTTATGAC
98801 CAGGTGAATG TCTTTATTGG TAATTATTTA CAATTATAAA TAATTTCTTA
98851 GTAAAGTGAC AGTGGTTAGG TTTCCCTTCT GCCATCTCTT ACAGTTGCTG
98901 ATGTACTTAA AAAAACTCT CTAACCTGAG TGTAAGCATT ATGAGATACA
98951 TAGCCTTGTC TTATGAATCT TTGTATCTGT CACATTATGT AGTACAGCAC
99001 ATAACATCTA GTTGGCACTC AATAATTGTT TTTTGGATTA ATGAATGAGT
99051 CCCACTAGAT AGTATTCATC TTTGTACCAA GGATAGTGTT TTAAAAACCA
99101 ACATGACATTT ATTGAGCATC TCCTGTGAGT GAAGAACTGT GAAGAGGAAG
99151 AGATGATATT AATAGAAATG TGGCTCAAGC ATTTGCTAAG GCTGCCAGAA
99201 GCATTGGTAG GGCCAGATCT TGAAATCTCT AGCAGGCCAC ATATAGAACT
99251 GTAGACTCTA TTCTGGAAGC AGTGCAGAGC CATTGAAGGA CTTAAGTTGG
99301 TGTTTAAAGG ACAGATTTTC ATTTTCTAAA GCCACAACCC CATTCTGAC
99351 CTAAGGCTCA AGAATACTGC TCCCAGACTG GGTTCTCCTA TTAAAGCAGG
99401 AGGACAGATA CACTGCAGTC AATTTCTTCT TAAAGACTTT GACTCCAATT
99451 GTGTCCTTCT TTTCTATTAT TTTTATTCTG GATTTCAGTT CTACTTCCTT
99501 TATGTACCCC ACAAATTATT AATTAGTGCT ACCATTATTA TTGGTTTACA
99551 AGCCAAAACCT AGTTTAGATT TCCCCACTTT TATCAATCTC TTGGTTCAAC
99601 ACTTCTTCTT CCACCCCATG TCTTCCTTCT GTGGTCATTT TTTTTCCTCC
99651 CCAAAACAAA TCCTTAAGTT ACGTGAATGA TAAACACTCA GTTCTTTTGT
99701 TTGTTTGT TTGTTTGT TTATTTTCTC CTCATCCTTT TATAATAGTT
99751 TAGCTACTAT TTCAGCTAAA AATGTATTAT TATTTAGCTA TTATTAAAAA
99801 TGAAATTCCA GATTGACAGA TTTTATCTG ACATTTTGAA AATGTTATCT
99851 CACTGTCTTC TGGATTCTGT TATTGATGTT AAGTCACTTT CCATGTAACA
99901 GACATTCTTA TTAAGGTAAT GTCTTTCTTT TCAGTTGATT CTCAACATCT
99951 TTGTCCTTGG TGTTTTCCAA TATTACAGTG TTATGTCTAC TTGTGGATTT
100001 TTGTTTTTAA TTCTGCTTGG GATTTCTTTT GCTTCTGAGC TTGTGAATTC
100051 ATGAAAACCT CTAAATCTCG AAAATACCTC GTCAATCTCT CTTTGAATTT
100101 TGCTTCTCCC CTATTCTCCT TTTACAATGC TTAAAGATGT ATGTTAGACC
100151 ATCACATTCT GTTCTTCATT GCTATGCACT CCTTCTAGGA ATCCATTTAT
100201 ATATATATTA GAACTTTAAG CCTGTATTTT AGATGTCTCT TATACTCTTT
100251 TCTATGTTTT CTTTTTCTTT CTTTCTTTCT TTTTTTTTTT TTTTTTTGAG
100301 ACAGAGTCTC ACTCTTGTG CCCAGGCTGG AGTACAGTGG CGCGATCCTG
100351 GCTCACTGCA ACCTCCGCTT CCCATGTTCA AGCAATTATC CTGCCTCAGC
100401 CTCCTGAGTA GCTGGAACCT CAAGTGCTG CCACCATGCC CGGCTAATTT
100451 TTGTACTTTT AGCAGAGATG GGCTTCATCA TGTGAGCCAT GCTGGTCTTG
100501 AACTCCTGAC CTCAGGTGAT CCACCCACCT TGGCCTCCCA AAGAGCTGGG
100551 ATTATAGGCG TGAGCCACTG TGCTTAGCCT TTTCTATGTT TTTAATCTTT
100601 TTTTCTTTTT GCACCTCAGT TGAATACTT TTCACTAACC ATTATTCCAG
100651 TTTCPAAATC CTCTCTTCTG CTGTGTCTAA TTTGATTTCA AACATATGCA
100701 CTAAATCTTT AATTTTAGTA AAATTTTGTT TCAGTTTATG AATTTCCATT
100751 TGATTCCTAG AAAATATATA TATGCACTCC TAGTGCATAT AAAAATATAT

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100801 ATATATTTTC TATATAGAAA ATATATAGAA TCTAGCTCTC TATTGAAAT
100851 CTCCATTGTG TCAGTTATTT TCTTGAGCAA TAATCACAGT TATTTTCAAA
100901 TCCTTGTCCTA ATAATTTCAA TAGGTGGATC ACTTGCTGAT TTATTTCTAT
100951 ATCTCTTTTT TTCTTTTGGT TTTAATCAT TTGATCTTAT CTTTGGGTAT
101001 GCCTGGTAGT TTTTGAGTGA ATGCTGAACA ATATATGTGA AATATTGAGA
101051 GATGTTAGAT GATATTACTT TTCTCTGCCT GACAGTTATA TTAGGGCAG
101101 ATCACCTTGA TCTAATGAGG AACTGAAATA GTTTAACTGT AGGCTGTAGG
101151 CTTTTGGAGG GTTGGTCTAT TTTCAGTTTG CCTTTATTTT TATGAAGAAG
101201 TTTTTCAGAG CTTTCAGCTG AAGGGTTTTAG TTTTTTACTA AGATACCTCT
101251 TCCTTTGTGG ACCCTGAAAT CCAAGTTTAT TGAATCTACT CAAAGCTCTG
101301 ATTAATAAAT TAAATAAAC TTTATTTTTT AAAGCAGTTT TAGGTTTACA
101351 GCAAAATTGA TTGGAAGGTA CAGAGATTTC CCTTATACCC CCTGCTCCCA
101401 CACATGCATT GCCTCCCTG TTATCAGCAT TGCTACCAGT CATACATTTG
101451 TTATAACAGA TGAACCTACA TTGACAGATC ATTATCATCA AAGTCTATAG
101501 TTTACATTAG GGTTCATTCT TAGTGCTATA CATTCTTTGA GTTTGGGCAC
101551 ATGTATGACA TGTACCCATC ATTTTAGTAT CATAAAGTTG TTGCATGGCC
101601 CTAAAAATTC TCTGTGCTCT CCTTACTCAT TCTTCCCTCC CTCTTAAACC
101651 CTGGCAACCA CTTATCTTTT TGTTGTCTCC ATAGTTTAACT ATTTCCAGA
101701 TTGTCATATA GCTGGAATCA TATATAGATT TCTCAGGCTG ACTTCTTTCA
101751 CTTAGTAGTA TGCATTTAAG TTTCTTCCAT GTCTTTTCAT GCCTTAATAG
101801 CTCATATCTT CTTAGCACTA AATAATATTC TATTGTGTGA ATGTACCATG
101851 GTTTATTTAA CCATTCCGCT ACTGAAGGAC ACTTTTGTTG CTTTCAAGTT
101901 TTGGCAATTA TGAATAAAGC TGCTATAAAC ACCATTGTGC AGGTTTTTGT
101951 GTGGCAGTAG TTTTAAATTC ATTTGAATTA ATACCAAGGA ACATGATTGC
102001 TGGATTATGT GATAAGCATT TGTATCATTT TGTAAGAAAC TGCCAAACTG
102051 TCTTCCAAAG TGGCTGAACC ATTTTGTATT CCCACTAGCA GCGAATGAGA
102101 GTTCTGTGTA CTCCACATCC TTGTGAGCAT TTGGTGTGT CAGTGTCTCG
102151 ATTTGGGCCG TTCTAATAGG TGTGTAGTGG TACTTCATTG TTGTTTTAAT
102201 TTTCAATTCT CTGATGACAT ATGATGTAAA ACATCTTTTC AGGTTTATTT
102251 GCCTTTTGTG TATCATCTTT GGTTAGGTGT CTGTTAAGGT CTTTGGCCCA
102301 TTTTAAAACC AGATTATTTT CTTATTGTTG AGTTTAAATA GTTCTTTGTA
102351 TATTTTGGAT AACAGTCTTT TTTTTTTTTT TTTTTTTGAG ACTGAGTCTC
102401 GCTCTGTCAC GCAGGCGTGT CAGAGTCGCA ATCTTGCTC ACTGCAAGCT
102451 CCACCTCCCA GGTTTCATGCC ATTCTCCCGC CTCAGCTCC CAAGTAGCTG
102501 GGACTACAGG TGCCACCAC CACGCCTGGC TAATTTTAT TTTGTATTTT
102551 TAGTAGAGAT GGCGTTTCAC CACGTTAGCC AGGATGGTCT CGATCTCCTG
102601 ACCTTGATGAT CTGCCTGCCT CAGCCTCCCA AAGTGCTGGG ATTACAGGCT
102651 TGAGCCACTG CACCGGCCA ACAGTCTATC AGATACGTCT TTTGCAAATA
102701 TTTTCTCCCA GTCTGTGGCT TATCTTTTTA TTCCTTGACA GTGTTTTCTT
102751 ACAGAGCAGA AATTTTTTAT TTTAATAAAG TCTAGCTTCT CAATCTTTT
102801 ATGGATTGTG ACTTTGGTGT TATATTTAAA AAGTTATCAC CAAACTTAAA
102851 ATCATCTAGA TTTTATCACA TATTATTTTC TAGCAGTTTT ATAGTTTTAT
102901 ATTTTTTAGG CCTATGATTT ATTTTGTAGT TAATTTTTGC AAAGGCTGTA
102951 AGGTCTGTGT CTAGATTCAT CTATTGTATA TGAATGCCCC GTTGTCCAG
103001 CACCATTTGT TGAAACGACT GTGTTCCATT GCATTGCCTT TGCTTCTTTG
103051 TCAAAGATCA GTTGACTGTA TTCACGCAGT TTTATTTCTG GGCTCTCTAT
103101 TCTGTTTTAT TGATTTTTTT TCTCTCCAAT ACTGTACTGT CTTAATTACT
103151 GTACTTTATA GAAAGTCTTG ACATCAGGTA GTATCAGTCC TCCAACATTG
103201 TTGTTCTCCT TCAAAAGACC CAATATTATG GATCTTTTGC CTTTCCATAC
103251 AAATTTTAGA ATCTGTTTAT CAATGCTTAC AAAATAACTT CCTGGGATTT
103301 TGATTGGGGT TACATTGCAT CTATTGATCA ATTTGGAAAG AATCCATATC
103351 TTGACAATAT TGAGTCTACC TATCCATGAA CATGGATTAT TTTTCCATTT
103401 ATTTAGTTCT TCTTTGATTT TTTTTCATTA CAGTTGTGTA GCTTTCCTCA
103451 TATAGATCTT GTACATATTT TATTAGATT ATACCTAAGT GTTTCATTTT
103501 AGGGGTACTA ATGTAAATAT AGTTTGATAT AAATGTCAAA TTCTACTTGT
103551 TCATTGCTGG TATATAGGAA AGCAATTGAT TTTTGTGTAT CAACCTTGTA
103601 TTCTGCAACA TTGCAGAATT AATTACTTGT TAATTCAGG AGGTTTTTTT
103651 AATTGATTCT TTTGGATTTT CTAATTAGCT GATCATGTCA TCTGTAAACA
103701 GAGAGTTTGT TTTTTCCTTT CCCATCTCTA TTCCTTTTAC ACTTCCTTTT
103751 CTTGTTTTAC TTAATTTGGT AGGACTTTCA GTATAATGTT GAAAAAAT
103801 GATTAGAGGG GACATTTTTT CCTTGTTTCT GATATCAGCA GAAAAACTTC
103851 AGGGTTCTCA TTGTAAAGTG TGATGTTAGC TGTAGGTTTG TTATAAATAT
103901 TCCTGTTTCT AGTTTATCAG AGTTATTGTC ATGAATGGGT ATTGATTTT

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103951 GTCAATTGCT TTTTCTGCAT CTATTGATTT TTTCATGTGA TTTTCTTCT
104001 TTATTCTGTT GATGTGATGG ATACATTAAT TGACTTTCAA GTGTTAAAGC
104051 AGCCTTGCAT ACCTAGTATA AATCCCACCTT GGTGTGGTG TATAATTCTC
104101 CTGACACAAT GTTGGATATA TATATGTATA TTTTGGAC AACATCTCGC
104151 TCTGTACCCC AGGCTGGAGT GCAGTGGGGT GATCTCAGCT CACTGCTACC
104201 TCTGTCTCCC GGGTTCAAGC GATTCTCCTG CCACAGCCTC ACAAGTAGCT
104251 GGGATTACAG GCCCCTGCCA CCATGCCCAG CTAACCTTTG TATTTTGTAGT
104301 AGAGATGGAG TTTCACCGTG TTGGCCAGGC TGGTGTGCGA CTCCTGACCC
104351 CAGGTGATCC ACCCACCTCG GCTTCCCAA GTGCTTGGAC CACAGGAATG
104401 AGCTGCCACG CCTGGCCTAC AATGTTGGAT TTGATTTGCT AATATTTTCTAG
104451 TGAGGATTTT TTCATCTACA TTTATCAGAG ATACTGGTTT TTAGTTTTCT
104501 TTTCTTGTA TGTCTTTGTT TGGTTTTAAT GTTAGGATGA TGCTGACATC
104551 TTTAAATGAG TTAGGGAGTA TTTCTCTGCT TTTTATTTT TGAAGAGAT
104601 TATAGATATT TGGTGCAATT TCTTCTTAA ATATTTGGTA GAATTCGCCA
104651 GTGAACCCAT CTGGGCCCAG TGTTTTTTAT TTGGAACCTT ACTAATTATT
104701 GATTGAATGT ATTTACTGAA GATGGGCCTA TTTGATTGTC TACTTCTTGT
104751 ATGATTTTTG GCAGCTTGTG TCTTTGAAGG AATTGGTTCT TTTAATCTAG
104801 GTTATCAAAT TTGTGGTTAT AGATTGTTAA TAGTATTGCT TTTTATTCT
104851 TTTAATGTCC ACGGAATCTG TAGTGACGCC CTCTCTTTCA TTTTGTATTT
104901 TAATAGTTTT TGTCTTCTAT CTTTTTATTT TACTTAGGCT GGCTAGAGGC
104951 TAGTTGATTT TATTGATCTT TTCAAAGAAC CAGTTTTTAT TTTGTTGATA
105001 TTCTCTATTG GTTCTTGTG TTCAATTTTA TTATTTCTGC TGAATATTT
105051 CTCTTACTT TTGGTTTAA TTGCTTTTCT TTTCTAGTT TCTATGGTGG
105101 AAGCTTAGAT AACTGATTTT AGATCTTTCT TTTTTTCTAA TATATATATT
105151 CAGTGCTGTA AATTTCCCTC TAAGCACTGC TTTTGCTATA TCACACAAAT
105201 TTTGATAAAG TGTGTTTTCA TTTTCATTTA GTTCAAAATA TTTTAAATTT
105251 TCTCTTGAGA TTTCTTCTTC ATTGTTTAGA AGTGTGTGGT TTTATATTCA
105301 CATATTTTGG GATTTTCCAG TTATCTTTCT GTTATTAATT TCTAGTTTGA
105351 TTCCATTTTG ATGTGAGAGC AGAAATGGTA TGATTTCTCT TCTTTCAAAT
105401 TTGTTAATGT TTTATGGCCT AGAATGACTT TCAGTTTCTT TTGAATAAT
105451 TCGCAGGGAT TTTTTTTCAT TTTTATGTGA GCTCAACTGT GCATATATGA
105501 AGATATTTGT ATACTTTATT CGGCATTTTA GTTTTTTTAT GCAAAGATTT
105551 TCAAGTTTTT TAGTTCTTTA TAATCCATA AAATAAAGGT CTTAACTGAC
105601 ATAATTTACA TTAGTGACTT ATAGTCAGAT TTAATAAATG TTACCTATTC
105651 TTAATATCA TCAACAACGT TATTATTTT ACAAGTATAT AAAACTTGGGA
105701 CATTTGGGTG ATAATAGATT ACAAACTGGT CTATCAATTG AGGATATGGT
105751 TACTGGATAT AGTACTATGT AGATTATGCT ACAAAAACAT AATAAATAT
105801 AGCCTATTGA AATAGTTGAA AGCATATCAC CGTCTCTCAA ACTACATGTT
105851 CCCCCAACCT TAAAATCTTT ATTTTAAAC TTTTGTTC TCAGGGAAC
105901 TGGAAAGTAT TGTGGCTTTG TAGCTTTTAA ACATTGAAAG ATATATCTAT
105951 GGGAGTATAT ATTTATGTGT AAATCATGTG CAACAACATA TATTATTTAC
106001 ATGGGGATTT AAAAAATGTTA TATTCTGCAT GAAGTTGTAT ATCTTTTTTG
106051 CCTTTTGTAG GAGGATACTT CATCGAGACT TAAAGTCAA GAATGTATTT
106101 CTGAAAAATA ATCTCCTTAA AATTGGTAAG ATTTTAAAAA GTATGAATTC
106151 CAAAAACGCA GAACAGTATA TTCTAGATAT TATCATATCA AATTGAAGTA
106201 AATGGTACGT GGAAGTATTA GAGTAATCAT TGGTTTGT TAAATTCTCA
106251 AATTTTTAAG TACATGTGCT GCTGAAATGA AACTAAAT TCTCAGGTTT
106301 CTAGATGGGC CCAACAAAAC CTAATTGTTT TGTTTCTGAG TATCTGATAT
106351 AAATTGAGGT GTACAAATTT ACCACATATT TGATAGATTT TTCAAATATA
106401 CTTTGAGTTC CCTGTTTCAT GCCAGGCACT TTACAAGTTA TTAGAATCAT
106451 TTTACTGGTT TGATTAGTTA CTACAGGTTT CTCATTTATA TTATTTTCATC
106501 ACAAGCAATA AGTGGTTATA GATAATGAAA ATGTTGATAT AATGGCTTTA
106551 TTAACCTTTA GTTCTTCAGA ACTGTACCTC TCCTCATAAC AGCTACTGGA
106601 TCATCTAATC ATCATATAGG GTGTACTTGG GGAAGGAAGG AAGGAAGGAA
106651 TAAAAGTGTG CAACAGTATT GGCAAGTATT AAAAAGCTGA TAGATTCAAA
106701 TTTTATAGT CATGTTCTTA AATAGTCTCA GATCTTTTCT TTTAAACGCT
106751 CCATTATTGT AAATTTAAGA ACAAATCTT CTCCCTCAG GTGAAATGT
106801 ATATCATCTT ATTCAGTTT TCCAAATCA TTCTGTTG CATTATTCAG
106851 ACTTGAAATA GCTTTTTATA TCAAATTGTC TAGTTTCCCA TAATTCCAGA
106901 AATAAAGAAT TTTAGCTTAC ATAATTCACT TTCCTGGCTC AAAGTCTTCC
106951 TTCTCCTATA AAACTTATGT TTTTAAACT ATTTACCAGC GTTGATAAT
107001 TTAAGATATA TTAGTTTCT TCTCTGTAA AATGCTATGA ACCATTGCAT
107051 AATAAAATGG TCAAATTAGG CACTCATTC GTTGTTAATT TCCAGGGCTA

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107101 ATTTTTCGTT GGCTTAAAGT ATTCATAAAA ATTAATTATT ATTTCAAGGA
107151 GATTTTGGAG TTTCTCGACT TCTAATGGGA TCCTGTGACC TGGCCACAAC
107201 TTTAACTGGA ACTCCCCATT ATATGAGTCC TGAGGCTCTG AAACACCAAG
107251 GCTATGACAC AAAGTCGGAC ATCTGGTGAG TGGGCTAGTG GGCTAGACTC
107301 TTCATCTGCT TCCCTAAAAG AATGGTACAT TTTGTCTTTC AGCTCATTTA
107351 CTTACTGCAT ACATTCACCT TATCCCTTGG ACATGAATAT TTCTGTGACC
107401 AGAGTAAAAG AAGGTCTTTT GCATTTAGAA CTCAATATAT TTCATTAAAC
107451 TAGTTTCAAA AATTCTTTTT ATTCAGTGAT AATTGGTTGG TTTTGGATTT
107501 TTGGTTCCTG AATCACAAGG GAAAGTTCTT AATGTACCAT AAGCATTAAA
107551 TTTTAATACA TTTCTGTAA CCTATTAAT AAAGTATTTG TAACCCTAAG
107601 TACTGTGCTT ATTCTATTTT AAGGTAACT TCAATCTCTG TGGGAATGT
107651 ACAGCTTTTC TATATTTTTT TCTTTTTTGT ACTTTTAAGA ATTTACTAA
107701 AGATATTGGC TTTAAGGATA AACTATTTTT TTTTTTTTGA AATGGAGTCT
107751 TGCTCTGTG CCCAGGCTGG AGTGCAGTGG TGTGATCTCA GCTCACTGCA
107801 ACCTCCACCT CTTGGGTTCA AGCGATTCTC CTGCCTCAGC CTCCCTAGTA
107851 GCTGGGACTA CAGGCTCCCA CCACCACGCC TGGCTAATTT TTTGTATTTT
107901 TAGTAGGAG GGGTTTCACT GTGTTAGCCG GAATGGTCTC AATCTCCTGA
107951 CCTCATGATC TGCCTGCCTC AGCCTCCCAA AGTGCTGGGA TTACAGGTGT
108001 GAGCCACCGC GCCCAGACTA GGATAAACTA AATTTTAAAA TTTCTGGATT
108051 TTCAGTGACA GATGCATCTG AGATGTCTCA GTTCTCTGA GCTCTTATAT
108101 TAAAGGAATT TCTCCTTCCT TGTTATGGAA CTAAGTGAAA TCTCACTGCA
108151 GAAGCCATGT GGAAATTTGT ATTCAGTATG TTCTAGTGTA AGCAATAGAT
108201 CCTATTCTTT TTCCTTAGAA GAGGAATCTT ATTATATACT TTTCTGCTTG
108251 TTAGGCTTG AAAGAACAAT CTAGCTGAGG GCTTGTTAAT TAAGTAAATA
108301 ATTACTGTAT GCAAATCAAC ATAAATAGTT CTGAGCTTTC AAAGACAAGC
108351 AGTGTAAGG ATGTGCTTAC TTCACTCTTC TAAAGAAGAC AAAGTAGAAA
108401 ATTACATTTT CTCTGGTTAG GGAAAAGTGA ATCACAACAG GGGATATTGC
108451 TTAGGATTTT CACAAGGGTC ATTATCTGTT CCTTGTTCTC GTGCCTACCA
108501 AATGGGAGAG AACATTGTCA AGATTAGGTC TGGGTATGGC AATTCCTCAT
108551 GAATCCCGTC TTTTCAATTC AGTCTTGCAA TTGTTTCAAT CTAAATTATT
108601 CACGTGTTTT TTTCATCATT GGCTTACTTC TGCCCTGGAG GTCTTTTCCA
108651 ATTCACCTAT CATCTTCTGT CTTCTTTCCT TCTAACCCCT TTAACCTACA
108701 CATCCAAAAG AAAAAGAAAA CCCAAACCAA ATAAAACCAA ACATCACAAA
108751 GGTATGTATA GAGGAATAAC TAATGAGTTC CTTTAAATTT TGCTTCATTG
108801 AACATCTACT ATTTGCCCAA GACTGTGTAA CATTCCTTAG GTATAAAGCA
108851 AAAGTGATAG GATTCCCTACC TATCAAGAGA AATCTTGCTT CTTTGGAGT
108901 CCCTTTCTCT AGTTTGAGAA ATCAATTTTG GGCTTTGCTT CAGATCGAAT
108951 TTCAATTATA TACCTATATA TCTCTTTACA TTTAATTTTA AAAATTAATA
109001 TTATGGACAT TTTAAAATAG ATTCAAATAT ATATCTTTAT AGTTTAAAGT
109051 TATATGGTAT CTCAAGAAGA TGTTATGTTA TGCCATCTGA ATTAGGAGTA
109101 AATTAATTTA CAAAGCCTAT CATTTAAGTT TTTGGAATTA TATGTAACAA
109151 ACCTGGCTCC TTTTGACAGG CAGCTATATC TGCTTTCCAG ATCAGATGAA
109201 TATCTCCTAG AAAACAAAAG CAACAGAACC CACAGAGAGG AAAGGAAAGC
109251 ATAGAGTATT TGTCTCAGTT ATGTCAGTGT TATTTCTTTT TAAAAAATTG
109301 CTCCTACTAT TACATGGAGT ATTATGGGAT ATCAGATAGT ATGCTATAC
109351 TTTAGGATTA CAAACTGTC TGAATCAAGA AAAAAAAAC AGCCAAAACC
109401 TCCAAAATAT ACAAAGCAGA AGGATTTTAA TGTGTTTCTC TGAGCATTAG
109451 GTTAGCTCTC CTTGCAGAGA TTAACTTTTC AGCAAGTACA AGCTTAGGAT
109501 TCATCATCAT CCTGACCCTA AATAACCACC TTATTATGGA TTTAGTAATT
109551 ACCTTGGTTG TATCAGAATC AAAGTGGGCT TATCTGGTAA TGAAATTTCT
109601 ATTGCCAAAC CTAAATGGA AATAATAAGA GAGAATATT AATTATAGTG
109651 TCAGATACAT ACGTGTGATG AGTAATCTTT AGTAGACACT CTGAGAAAAA
109701 TTGATTGAA TGAGGTTGAG AACCTGTCTC TGAATCTCAG TGTGTAGCAT
109751 CTGTTTATTG TGGAAATTTT TTTTAGGATT AGAAACACTT ATGAATAATT
109801 GACAGGTGTT TTGTTTATAG ACTAATAGCT GTACATATTA TATTTATAAT
109851 GCTTAAAGGA GAATTTGCTT AAAGGAGAAT TGGCCTAATA CTAGTTATGT
109901 TTTTCATCTG AATGTTTGCC CATATGTAAC ATTATCTTCA TTCTGCAATC
109951 TGTTAAACTT TTCTGGCTTC ATTTATTTAT AGCATTCACT ACAGGAAGTC
110001 CTTCTCCTAA AAGTGGGTTA GGTTCACAAA GTTTATAAAG TTATTTGCAA
110051 AGTTAGGATA ATTAGGTTTA CTGAGAACAA TGCTTTGATC ACAGCTGATT
110101 TGTATAAGCA ATTTGTTGAAT ACTCTTATAC CCACAGGAGA AATACAAATA
110151 TGAGTTGGGT TCCTAGGCCA GCTCATTTAA TTGATTTAAA CTATGAATAT
110201 TTAGAGTATG TTATTTTGGT AGGAGAAACA AATAAAGGAC AATATTATTT

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110251 GAATAATGGT ACTGCAATTA GACAGAAAGA AAACAATATT TCACTGTTGG
110301 TCTTATTTAC TTTGTTGTGA GAACCCAACC AGATGGCTCT TTGATCTTGT
110351 AGCCCCCATA TTCTTTGGGT GATATAAGTA AAGGGAACAG TGGTGGGAAT
110401 AGTGGCAACA TCTAGAGTGT ACTGTGAAGC TCTCAGGGTC TTTCTCAGAA
110451 ATTTGGTGTG GAGGTTAGTT GGGTGGGGGA CAGAGAAGGA ATCTAGTTCA
110501 TGCCCAACAT TGGACTCAGG CTTTCATGAT CTTGGGGCAG AAGTGTGATG
110551 CAAGGATTAG CTGTGAGTAG AAGAAAACAG AGAAGAACCA GCACCTGCCT
110601 GACCTGCCAG GACCAAGAAA GTATCCTCAT GGAAGAACAT TTCCAGGGTG
110651 GACAGGGAAG GGATGGGGAC AACAGCCTAT TTTTTTGAGA AATACAGTCC
110701 AACTTGCCAG CATTTCCTGT AACTAAAATG AGGCCATCTA GTAGCTGGCA
110751 GCCAGCAGCT TCATCAGCTC CCTCCTGGTG AAGAAAGCTC TGGAGCAAAA
110801 GAATTAATTT TTTTCACTTG CCCATGGCCT GGAAGTTCT TATGTGGGTT
110851 CAGAAGAAAG CTATTGACCA GGGAGTGCTT TCCTAGGGAA TAAGCACTGG
110901 TGTCAGTATT TTCATCCAAT GGAAGCTTAG GTGAGAAAAC ATTTCACTCA
110951 GGTGAAGTAT ATTTGAACAT TAATATATTT TTTTCAATGA CTAGCATGAA
111001 ATGGTTGATA CAACTCTGCT AGATAGTACT AATTGGCCTT GATGAATTTT
111051 AAAAGGGTTA ATAACATAGC TAATAAATCC TTGTTAAATT GATATTGATG
111101 GAGGAGGGGC AGTGCAAGAT GGCTGAATAA GGGCCCCACT GATCATGCCC
111151 CTCCCCAGGA ACACCAGGTT TTAAAAAAAT TTAAATTTT AATTCTGTG
111201 GGTACACAGT AGATGTATAT ATTTATGGGG TACATGAAAT ATTTTGATAT
111251 AGGCATGCAA TTCATAATAA TCACATCATG GAAAATGTGG TATCCTTCTC
111301 CTCCAGCATT TATCCTTTGA GGAAGACCAA GTTTTACAAC TGTCTACACA
111351 AAGGAACCCAC CTTCATAAGA ACCAAAAACC AGGTACCAGC TCAGCCACAG
111401 TGGTGTAGAG GACCAAGTGA GATCTTGGAG TCCCTGATTT CATGTCTTAG
111451 CTCTTGGATA GCATTGCTGG ACCTTCCCTG GGCCAGAGGG GAACCCACTG
111501 CCCTGAGGGG TGAGTTCAG GCCTGGTGGT ATTCACCACA AGCTGAAGGA
111551 AGAGTCCTTA GGCCTTAATT GAGCATCAGT GGTAGCCTGG GAATGTTCCC
111601 TGTAGGCCCTG TAGTGGTGGT GGCCATGGGG TGAAGCTCCT CTGCACATAG
111651 GAAGGGGAGG AAGAGTGGG AAGGACTGTG TCATGTGACT TGAGTGCCAG
111701 CACAGCCACA GGTAGAATAT AACACCATGC AGATTTCTAA GGTTTTTAAC
111751 TCTAGTCCCT GGCTCTGGGA GAGCATCTCT GGACCTGCCC AGGACCTAGG
111801 AAACCTACAC CTCTCAAGGG AAGGACACAA ACCTGGCTGG CTTTCATCATC
111851 TGCTGCTTGT AGAGCTCCAG GGCCTTGAGT GAACATAGGT AATAGGAAGT
111901 AGTTATGGGG GCCTTGGACG AGACCTGGTG CCACTACAGT CCCAGTAGTG
111951 GTGACCAAAG GAGTGCTTGT GTCACCCAC CCCCAGTTCC AGGCAACTTA
112001 ATACAGAGAC CCCATTGTGT TGGGAGAAAG TAAGGGAAGA GAACAAGAGT
112051 CTTTGCCTTG TAATCCAAAG AATTATTCTG CATGTTATCT AAGACCACCA
112101 AGGTGGTACC TCTACAAGTC TGTAAGAACT ACAGTGTTAC TGGGCTTGGG
112151 GTGGCCCCAA TGCAGATGTA GCTTAGATCA CAACACCCAA GTATTTTCAA
112201 ATACCTGGAA AGCCTTCCCA AGGAGGATGG GTACAAACAA GCCCAGATGG
112251 TGAATACTAC AATAAATACC TAACTCTTCA ATGCCCAGGC ACTGATGAAC
112301 ATTCACAAGT GTCAAGACCA ACCAGGAAAA CATGACTTTA CCTAACAAAC
112351 TAAATAAGGC ACTAGGGACC AATCCTGGAG AAACAGAGAA ATGCAACCTT
112401 TCAGACAGAG AATTCATAAT AGCTGTTTTG AAGAACTCA ACAAATTTCA
112451 AGATAACACA GAGAAGGAAT TCAGATTTAT ATCAGATAAA TTTAACAAAG
112501 AGAGTGAAAT AATTA AAAAG AATCAAGCAG AAGTTCTGGA CTTGAGAAAT
112551 CCAATTGACT GGAGAATGCA TCAGAGTCTC TTAATAGCAG AATTGATCAA
112601 GTAGAAGAAA GAATTAGTAA GCTCGAAGAC AGGATATTGG AAAATACACA
112651 GTCAGAGGAG ATAAGAGAAA AAAGAAAAAA AAAAAAAAAA GAATGGAGCA
112701 CACCTCCAAG ATCTGGAAG TAGCCTCAA AGGCAAGTCT AAGAGTTATT
112751 GGCCTTAAAG AGGAAGTGG GAAACAAATA GGAGTAAGAA GTTTATTAAA
112801 AGGAATAGTA ACAGAGAACT TCCTGAATCT AGAAAAAGAT ATTAATATAT
112851 AAGTATAAGA AGGTTATAGA AGACCAAACA GATTTAACTC ATTAATAAAT
112901 GATGTGGCAA ATTCATATAC TCCTGTTTTG TTAATTCTGT GGGAGAGCAG
112951 GAGAAGGGAG GGTTAGTTCA GGATTTCTT TCATTCTCT TACTAAAGAA
113001 AAATTTAGTT GTGTTAACAA GTTCTTATTT CAAACACGCA AATTTATTTG
113051 GCAAGTATTA AATCTTATCA CCACACTTCA TTGTTTACAT TGCTTTTAA
113101 ATTTGTTTTA AGTCTTGGAA TCCCTAGTTG AGACTAGTCT TTCTATAGGA
113151 AGTCAAATTG GGATTGAATC TTTCAAATTC CAGGATTGGG CACTTTGTAG
113201 CGAGGAGCAT CAGGGGCGAG GAAAGAGTGT GGCCATGAGA GCCTGGGCAG
113251 GGCTTGGGTT TCTGATGAAG GAGACCCCTT TGGATAGGAG CATAAGGTAA
113301 AATGTCCTAT GATCCATAGG GGCATGTGGC AGATTGTATT TTCCAAAAAT
113351 GGCCATCATA ACATATCACT TCTCACATGT TCTTTTCTCA CATGTTCTTT

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113401	TTATAATGTG	ATGTTGACAC	ACTCTTACTG	AGAGGTGGGG	TCTGTGTTCC
113451	CTCACCTTTA	ATTTGGGTAA	GCCTGTGATT	ATGGCAAAAT	TGATGCTATG
113501	TGACTTCTGA	ATCTAGGTAA	TAAAAGCAAT	ATAGATTTTG	CTTGTTTCTC
113551	TTGAAATTCT	TGTTCTTGGA	ACCCAACTAC	CCTGTTGTGA	GGAAGCCTGA
113601	GTGGCACATT	GAGAGACCAA	CATGGAGAGG	GCCACATTGA	GAGGAACCAA
113651	GGCCTTTGGT	CTTTACTCCC	ATTGAGCTTC	CAGCTGATAG	CCAGCATCAG
113701	TTGGCCAGTG	ATGTGCGTGA	GCCATTTTGG	AAGTGGATCC	TTAAGCCTCA
113751	GTTGAGCATC	ACCAGCAGAT	GCTGTGGGGA	GCAGGTTCAA	GGCTTCCCTG
113801	TCAATCTCTG	ACCAAAAAGA	TTCATGATCA	AAATGACTGA	TTATTGTTGT
113851	TTTAAGGTAC	TAAGGTTTGG	GGTGGTTTTT	TATGCAGCAG	TGGTGACTGG
113901	AGCAGACATT	CATCAGGAGA	ACGGCAAGCA	GGAGTTGAGA	AGTAGCCTCT
113951	AATCTAGGCC	TCCATATGAC	AATCTGGCAG	TGTTTTGTTTT	CTTTATGTCA
114001	AAAGGCTCAA	TAAATTGCTT	AAGAGAAGTG	GCTTGTGCCA	GAAAAGCAAT
114051	CTGGCACTCT	ACTTGCTGGT	CTGTTTGATG	GGTAGAACCC	AAGAACCTGG
114101	ACCACAGCTG	AGAACTTCCA	GACCAGCAAC	TTTTCCATGT	GCCTCAGAAC
114151	TCTTCTTTCA	TTCTCCTCTG	CCTTGCTTTC	TTTCTCCCAA	CCCCACCTC
114201	AACGTCACCC	CTAGACCTGG	ACCATCTGAC	TCCAGCCTTA	TCTTTCTATC
114251	ATTCCCATGA	TTCAGTGGTA	TGCTGGAGCT	CATACCAGCT	CATAAGACCC
114301	AATTATCCAC	ATTTCTTCTC	AAGTCAATGT	TCACTGATGT	CACATTAGTA
114351	ACTTGAAAAC	AACCATGGTA	TTTATACCAT	GGAAATTTGT	AAATTAGGGC
114401	TTCTCCTCCT	ACCTCAGAAA	GGCAGGTGAC	CAGAATAGCT	CATACCTTTA
114451	GCCTTACTCC	TTCTTGCCCC	TAGGTTGGTA	TTTGCAAGAG	GGAAGAGACT
114501	TGAAGACATG	AAGGTTTTCTG	TGCTCAAAGG	AATGATAAAC	ATATAAACAA
114551	ACTGCTGTAT	ACTGTTATAG	TGCAATACAT	ATTCTGATGT	ATAAAGCAGA
114601	GAGTGATTGA	CAGCTGGGGA	TAGGGGTAGA	GAGCATCAGC	TACAGTCTTA
114651	GAGAGTGCAT	GATTCTTGCT	CAGGATGGGG	AAAAATGGAG	AAGAGTTTGG
114701	CAAAATGTATT	TCAGGTAAAA	AGACCCCAAT	TCAATGACCA	AAAGTGAGGT
114751	TGCCCCACTG	GGAGAAAGAG	GAGGGAACTG	TGCAGGGAAA	GAAAGTGGCT
114801	GGCCAGAGAG	ACCAATTGCG	CAGGGCCTTC	TCATTCATGA	AGGGCCTCAA
114851	ATGTATGTGT	TTAAAATTAT	TTCCAAATGA	GGTGGTATAT	GTAAAGGTTG
114901	TTTATTTTAA	GCCAAAATTT	CAGATATATC	ACCAATTTTG	AAACTTTTAT
114951	TGGGGTATTT	ATTTGTTCAT	TTAAAATATA	TACTGGGAAT	TTAAAAATAG
115001	TTACAAATGA	CTTGACCTT	CTCTGACTAC	TGAAAGACTC	TGAGAAATGG
115051	TATGAAAGGA	CATTGGAAGCA	TGAGAAAGCT	CAGGTTCTTC	TGATFAGCTG
115101	TAGGACAAAG	TGTGTATGTG	GCAAGGAGGG	GAGTGTGGGT	ACATTTGACT
115151	GAAGGGCGGG	CAGGGGTCAG	ATGGTGAATG	ACCCATGTAA	TTATGAAAAG
115201	AAGCTTGATC	TTTCACTTTC	TGGAGTATGA	GAAACTGCTA	AAGGCTGTTA
115251	AGCAGAGGAA	TGATGTATCA	GTCAGCTTTG	CTGCGGTAA	AAAGAACTCC
115301	AAAAAATCTC	AGGTACTTCA	TATATTGATT	CTTTGCCCTA	CCTGGAGACT
115351	ACAGATTAA	TGAGTTTCTG	CTCCAGTTGC	AGTCTGCTCT	TGATCCATAG
115401	TTTTCCCACT	TCCAGGACAC	AGGTTATGCT	CTGAAAAACA	TGGACAATAC
115451	AGTGCTAGAG	AGAAAGAGCA	TGTGTCTGCC	TTTAGATCCT	CCACTCAGTT
115501	AGTTGTGACA	CACCTCATAT	CCACCCATAT	TCCACTGGCT	GAAGCAAGTC
115551	CTGTGCCAAT	TCCCCCTGTG	GGGGAAGGGA	AAAAGAATAT	TCGCAAAAGAG
115601	CAGTCAATCT	ACCAGGGGAG	TCAGTCTTAT	TATGATGCCA	GCTGGGCTAT
115651	AGAAAACCTGA	CAGGAGGGAG	AAGATTGGTG	GAGACTAAAG	GAGGAGATA
115701	GGTAGGTCTT	CTATTAACTT	GGCACATTCT	ACTACTTTTG	ATGTTCTGTC
115751	CATCATAAAA	GAGCCTCTGG	AGATCATATA	AAATTATTAA	AGCAGTTGGA
115801	ACACAGCCAT	TCAGTCAAAA	TGTGAAGCAG	TTCATGCCCC	ATAAGCAGTG
115851	TCGGCTGTTG	CCAGTCTCGG	TCTTAAATGA	GTGGCTGAGT	AAATAACAGT
115901	TGGTTATGTA	AGGATGCTTT	GATCATGTTT	TCCATTGCCA	ACCTACCTCC
115951	CTACCCCAAC	TCCAAACATC	CTTTCCTAAG	CTGTATGGTT	TGCATAAAAT
116001	CTATAACTGT	GACCTTAAGA	ATAGCTAAAG	ATGCAAAGAA	GCTTTGACTT
116051	FTAGCCAGTT	TTTCTCTTCT	GCCACCCTGT	GGTCTCCTTG	TTCTCCTCAC
116101	TCACTGGTTT	TGATCTTTTGT	CCTCCATTAG	CCACATTCTT	ATGGTATGGA
116151	GGACATGGGA	CCACTACAGA	GGAGAGAGTG	TTGATAATCT	TCCTTTGAAC
116201	ATTGTAAAGC	TCAGTTGTGG	AGGAAAGTAA	TAGAAAAGAG	CTGGTATGAA
116251	CAGGAGAAAA	TTCACCCAAA	CCTTGTTTTG	TCAATAATTT	TATGGGTCGT
116301	ATTCCCTAAA	ATGTGACAGT	ATATTAGAAT	ATGATAAGAG	AAATGAGTTC
116351	ACTTTTCTTT	TTAAATATTC	TTTAAAAAAT	TCAGCTCATC	AGTCACACTA
116401	GCCACATTTT	CAGTGCTCAA	AAGCCAAATG	TGGCTGGTGG	CTATTGTTTG
116451	TAGAAATAAG	ACAAATTCTA	TGAGTTCAAT	AAATTCTTTT	GGACAGCCCT
116501	GAACTATTTT	GCTCCAGCTG	CTTTAAGCCT	TATCTTGGGA	TTTCTTGCA


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116551 TCACCCTGCT TTTGGATTGG GCAGAACCCC TGCTGGGTTT AATTGCTATG
116601 CTTAGATTGG TCCACTTTAG ATAGTTTGAG GTTCTTCTGT TCTCATGTCC
116651 CTTGATCACT CCATTGCTTC CCTCTGCTTC TTCTCACACA GATGCTGATA
116701 CTATGCCAGT CAAGTAGCTG TGTGGTTTGT GTTCCTTCAC TTGCACAGCA
116751 AGGTTCAAGG GGACACCTTA TAACTTGGCT TTATAATAAA TTATTATTAA
116801 ATTATAATAA ATATTATTCA TGAGTTTTGA GTTTTGTCT GTAGCTGCTC
116851 TGTTTTTCATA TGTGGATTCA AGAAAGATCT AAAAATATG CTTCCTACTG
116901 ATCTACTGTT TCCCCCAA TGCTCGGAAT CAGCATTTTA ACAAACCCC
116951 TAAGTGATTT ACATATATGT TAAAGTTTGG GAAACACTGA TAGAGGTTTT
117001 GAGATAAGGT AGGTCATTCA TAAAAAATTG CTATATAATA TTGTTCCCTA
117051 AGTACTATTA TTCAAGCAG CCAATGTTT TTCATTATAT TTATTTTCAT
117101 TTCATTATAT TTAGCTGAA TTAGGTTAA TACTCAATTC TACCTAAGTA
117151 AAGACTTTCA TTTAGGTTGA TACACACTAA AGCAAAACCC ACTACTCTTT
117201 TATTACATTT CCATTACTGT TTCCATAGAT TGAAGTATT CCTCTTTTCT
117251 AGATGAATAT ATCAGGATGC TCTTCAATTA CATCAAATA AAACATTATC
117301 TAGAAGATCA ACAAACCTTC CTAACCAACT AGAGTCATGC ATTGCTCTGG
117351 GGCAGGCATC TGGTTGCAGA GTCTGGCAGA TTTTGAAGGG TAAATTTAGT
117401 TACCTTAAGA CAAGCAAAGT CTGAGTTACA TTTGTGATTT ATTATCAATC
117451 AACCTGTGCT TCAGAAATTT TCTCAGTAGT TCCGGACAAG TTGTTCAATT
117501 TGGACAGATG GCAAGTTTAT GGAGTTCAGG TGTAATTTGC TTCACAGACA
117551 CCTGATCCCA GCCTTCTTTT TCATTGCTTG TATTCATACT CCCTCAGGGA
117601 TTTATTTGCT TATCTCTTCA CAGTTGTCTG TATTTTGGA AAAGAAAGAA
117651 ATGCAAAATTA TAGACTTCTA AGTAAATAC ACATCTCACT TGTTATTTTC
117701 AGCTCTCCCC CACCCCAAT CTGCTTTTGT ATCAGCAGAT TTAAGACCTG
117751 GGAGTCAAAT AAGGAAAAT TATTTTAAAA GGATGGAAGT GAAGAGTTTT
117801 AGATGATGCC TATATGGAAA TGTCTGGTTG GAAACTAGAA AAAAGAAACA
117851 CTGGTACATA GAAATATAGT CACCATATGT ATTTTGGTTA CCTACCGTAT
117901 GTATTTAACA AAACCTCTAA GTGATTTGCA TGCATGTTAA AGTTTGGGAA
117951 ACACGTGACAG TGGTCTGAG ATATGGTAGG TAACCAAACA TCTTTTACCT
118001 TTGAATATCT AGGTAGTTTC TGTAATCAGA TTGTCCAAGT TTCAGTTACT
118051 GGCGCCCAT TCCAGGTAGG GCACTGGGAC CACTATAGCA GGTCCGTTTC
118101 CACAAGTTAC TGGCTGATAA ATGAAGTCTT CTCTATGTGC TAGAGTGCAA
118151 GCAAATACTA GTCATCAAAG TGAAACAGGT AATTGCACTG CATACTACAG
118201 TGTAGCTGAG AGGATTTCCA AAACAGAGAG TACTGTAGTC TTATATGAGA
118251 ATTAATTGAT TACTAAGTTA GGCTATGAAT CTAATTGTTT CATAGTTTCT
118301 TTAGCCAGAT AATTGCATAT CTTTTTTTATT TTTATTTTATT TTTAGAGATG
118351 GTCTCACTCT GTTGCTTAGG CTGGAGTGCA GTTGTACAAT CATAGCTCAC
118401 TGTAACCTCA AACTCCTGAG CTCAAGTGAT CCTCCCACTC CAGCCTCTGG
118451 AGTAGCTAGG AATACAGGTG TGGGCCACCA TGCCCAGTTA ATATATTTTT
118501 ATTTTTTGTA GAGATGCAGT CTGTCTATGT TGCCCAGGCT GGTCTTAAAC
118551 TCCTGGCCTC AACCATTGTC CCACCATAGC CTCCCAAGTC ACTGAGATTA
118601 CAGGTGTGAG CCACTGTGCC TGGCCTACCA CATCTTTTTA TAACCTTAAT
118651 AAATTCATCA AAGTAGAGTT ATATCTCCAT CAAACCAGAA TGGTGATCAA
118701 TTCCTGTGTA ATAGACCACT AAGCCCTCTT TCCTTCCAAG CAATGAAAAG
118751 ACAAAGCCCA AACTTGTCTG CCTTCCTTTT TCCATAGAAG GTCTCATAGT
118801 CTGTGTGCCC TATATTTGCC GTGGTGTGAC GCCCTGCATA GCTTGTGTC
118851 TAAGGCCCCA GTGATTTTTA AAAGTGAATT AAGGTTCTAT ATAGAACCCTG
118901 AAATTACCTT GGGAAATCAG CCCCTGCTTA AAAGGCTCTG TCAGGGCTAG
118951 CCCTGATTTT CAACTCAAGA GAGACTTTCG TGATCCAAAA TGCTCTGATT
119001 GGTGCAAGAT CCAGAGGCAG GATAGCATAG AGAGTCTGTG TCTCTAGAGC
119051 CAGATAGCCT GGGCTACAAT CCCAGCTTTA TGACCTACTC AGTATGGAAC
119101 CTTGAACAAT TTACCTAATC TTATGGTTT CTCACTGAA AAATGGGAAT
119151 AATAATAGTT CCTACCTCAT TAGGATTGTT GTGAGTGTA GTTAATGAGT
119201 TAAATATGA AAGGAACATA GAAGAGGGCC TGGCTCATAG TAAACACTAT
119251 TAACATTCCA GCTATCATTT TCATTATTAT TATTATAATT ATCATTATTG
119301 TTGTTACCAT TTGTGTTATT GATGGAGACA ATCTAATAGC TGCTTCCAAG
119351 ACACCTTAAA ATGTTCTGGA TCAGGGGTTG TTGCTCCCAA GGGTTGTTGT
119401 TACAGCCCTT CCATATAGCC CAGGCCAGGA GAGGTTGTCT AGCTTGTTCT
119451 GTTTCTAATC TTGTCTCAA GGAGACCCTA AGCCTATGTG GGGTGAGCAT
119501 AAATCATCAG AACAGAGTGT GTAGGTGCTG AGTGATTGCT AGCCTTCTGT
119551 TACTTGGACT TGCAAAATTT ATTTCTTTTT TTCAGTTTTT AGATTATTAT
119601 GTGTGTGTTA GGCTACATAA CAGAATGTGA TCAATGTAAC TTTTAAAAG
119651 AGAAGTTTAA AAAAGTATTG GATGAGAACT AATACCAATA CCAACATGAG

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119701 CTGATCTGAC ATGGTACCTT TCTGGGCAAA TTACTTCCTC TCTCTGAGCT
119751 TTGGSTTTTCT CACTGATAAA ACCAGAGTTT GAAATGAGCA AATCTTTATA
119801 GTCTCTTGTA ACTCTACTAT TCTGTGTAAG AAGACATTCT TGAAGTTTGA
119851 ATTATAGATT CTCTGTGGG GAAATAACCA AGTATATTGT GGCAATTCAT
119901 AACATAAACA TTCTACATTA GTAAAAGTAT TTGGTTCAAC TTGATGATTA
119951 TATATTTTTA GTGATATTTA GCCCCCTCTG TTTTCCTAAG GAAACTTTTT
120001 TTTTCATAGT ATAACAAGTA CTGACTTGGT ATTGTCTGTC TTTTCTTTTT
120051 TAGCCATTCT GATGAGTGTG TAGCATGTAG TGGTAGTACA CAGTGGTTGT
120101 AATTCGCACT TTTCTGATGA CTAAAAATGT TGAGCGTCTT CTCATGACTT
120151 TTGGCCATTT AGCGTCCGTT CAAGTCTTTT GCCCATTTTT CTATTGGATT
120201 CTCTCATTTT TCTTATTGCT TTATAGAAGT TTTAATTAAT TTTATCCATA
120251 TTTTGGTAGT CTGATGAATA TTTGAATTGC AAATATCTTA CACTATGTGT
120301 CTTCTTTTTC ACTCTCCTAA TGGTGTCTTT TTATGAGTAG AAGTTTGTA
120351 TTTTAATGAA GTTCATTTTA TAAGTTCATA ACTTTATCAT TAGTGCCTTT
120401 TATGPTCTAA GAAATCTTTG CCTACTCCAA GATCATGAAG ATATTCTCTT
120451 GTTTTCTTTT AAAACTCAGT TTTCTTCTCC TGTTTTCTTT TAAAGCTGAC
120501 TCAATTTTCAT TCTGTCTTTC ACAGTAACAT CTATCTATAA TTGATCTGTG
120551 TGTGTATGTG ACTATATGGT ATGAGACAGG AATCCAAGTA CGTTTTTTTC
120601 TATATGAATA TTCAATTGGC CCAGCATAAT TTGTTGAAAA AGCCATATTT
120651 TCCTCTACCA TGCAGTGGTT TATTTTTGCA TTAATCAAGT GATTAAATAT
120701 GTGTGAATCT GTTTTTGAGC CCTCTATTTG ATTGCATTGG TGTATATTTT
120751 TTCTTCTTTT CCAATACCAC ACTTTCATAG GTAATATAAC TTTATAATAT
120801 AAGCTATATA ACTTTATAAT AAATCTTGAT ATTTGGTCAT ACAAACTTC
120851 CAAATTAGTT CTGTGTTAAT TGCCGTGGCT ATTCAGGTTT CTTTGTATTT
120901 CCATATAAAT TTTAGAATCT GCTTTTCAGT TCCTGCCAAA ATGTCTGCTA
120951 GGATTTTGGT TGGTATTTCA TGGGCCTCTT TAAGTGTGTT TTTGTGCAAG
121001 TTTATAGAAA TAAAGGGCTT TGTATTCAGC AGTCTTGCGT AATTCCCTCG
121051 TTAATTCTAA CAGTTTGTCA GGTCTTTGGA TTTTTTCTG TACACAATCA
121101 TGTGTACATG ATTAATGACA GTCTAATGTT TTCTTTACTA ATCTTTATAG
121151 ATTTTTTTAA AAATTTACTT TTTCTGGCAT TATTGCTTTG GGAAGCACCT
121201 TCATTACAAT GTTGAATAGA AGTGATGATA GTAGGCATTC TTATTTTGTT
121251 CCTAATCTCA GAAGAAAATA ATAACTTTC AATATTTTAC CAATAAGCAT
121301 AATGTTTACT ATATATTTTT AAGCTTCAAA AAATCAGATT AAGGAAGTTC
121351 CCTCCTATAT CTGGTGTGCT AGGAGTTTTT TTCTTTTAA AAATATAATA
121401 AATTTTGAAT TTTATAGAAT GCTTTTTTTG CATCAGTTGA GATGGTGATA
121451 CAATTTTTC AACTTTTTCT ATAATGAGAT ATATTTTGAT TGATTATTTT
121501 TCATATATTA AGTCAACTCT GTATTTCTGA AATAAAATCT ACATGGTCAT
121551 GATGTATTAT CTTTTTAATA TGTCTGATTC TATTTGCTAA TATGTGTGTG
121601 TAAATTTGGG TTATTTGAAT CAACGTTTCAT GAAAACATTT GCTCGTAATT
121651 TTCCTTTCCC ATAATATCCT TGTATATTTT TAGTATCAAA CTTGTCCTGG
121701 TCTTACGAAA TGAAGAGGTT GAGTAAGATT ATTGTTATTT ATTTCTTAAA
121751 TATTTGGAAG AATTTATCAG TAAAGCCATC TGGTCCTGGA GTTTTTCTTT
121801 GCAAGAGCTT TTTATTATTT TATTTTCTG TATTCACAA ATATCTATAT
121851 TGAGAAGATA AAGGTAGCCA CTGTTCTGTT GTTGTGCTGA AAATACATTG
121901 GTAGGCAAAA ACAAAGCCAA ACAAATACAG GGTCCTTATA AGGATTGCTT
121951 TATAATATTT ACTTTTGAGA TAGAGGGTCA GGGGATACTT CTGTTGTCTA
122001 TCTCAGTTAT TATTATTTT AACTTTTATT TTAGGTTTCA GGGTACATGT
122051 GCAGGTTTGT TACAGATATA TATATATATA TATATAATAT GTCACAAGGG
122101 CTTGGTGTAC AGATTATGTC ATTACCTAGG TGTAAAGCAT AGTACAAAAT
122151 AGGTAGTTTT TTTTCATTAA AAATAAATTT TATGCATACA TAATAGTCGT
122201 ACGTATTTAT GGGGCACATG TGATATATTG ATACAAGCTT ACAATGCATA
122251 ATGATCAAAT CTAGGTATTG GAGGTATTCA TTGCCCTCAA CATTTATCAT
122301 TTCTTTGTGT TGGGAACATT CCAAGTCTTC TAACTATTTT GAAATATATA
122351 ATAAATTATT GTTAACTATA TTTTTTGTGT TTAAACCTTT ATTTATTTGT
122401 TTGCTTATAG TTTGTTACAG CAACCGCCTT CTTTATTTTT ATTTTGTAGT
122451 TCCTCAACCT CCTCCTCTCC CTCTACCCTC AAGTAGGCCC CGGTGTTTGT
122501 TGTTCCCTTC TTTGCATTCA TGTGTAGTCA ATGTTTAGCT CCCACTTATA
122551 AGTGAGAAAA TGCAGTATTT GGTTTTCTGT TCCTCTGTTA GTTTGCCTCC
122601 AGGTTGATCC ATGTTGCTGC AAAGGACATG ATCTCATTCT TTTTATGGC
122651 TGCATAATAT TCCACAGTTT ATTTTCTTTA TCCAGTCTAC CGTTGATGGG
122701 CGTTGAGGTT GATTCCATGT CTTTGCTATT GTGAATAGTG CTACAATGAA
122751 CATATGCATG CATGTGCTT TATGGTAGAA CGATTTGTAT TCCTTTGGGT
122801 ATATATACCC AGTAATGGGA TTGCTGGGTC AAATGGTCAT TCTGCTTTGA

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122851	GTTTTATTAT	CTTAAATAAG	AAATTATCTC	TGTTTAATAG	ATAAAAACTA
122901	TTCAGATTAT	CTTTTTCTTC	TTGTGTCGTA	AGTTGTGTTT	TTAAAAAGACT
122951	GTAACTTCA	TATTATCAAA	TTTATTGGAA	AAAACATGTT	TATAATGTCA
123001	TCTTAATACT	TTCTAATATC	TGTGGAATCT	ACAGTGTTGC	ACTTTTTTCT
123051	ATTTGTTATC	GTTAATCTGT	GTTTTTTTCT	GATTTTCTTG	ATCAGCCTTG
123101	CTAGAAATCT	ATTAAGATGT	TTAGCTCTTA	CTGATTTTGT	TTCTATTGTT
123151	TATTTCTATT	TCATTAAATT	CTTCTCTTTT	AAAAATTTAT	TCCTTAAACT
123201	TTCTTTGGTG	TGATTTGCTG	TTTTTTTAAAC	TTCTCAAATT	GACTTATACG
123251	GTAGATATTA	AGTTTTTTTT	TAATATATGC	ATTTAATACT	TTTAATTTTA
123301	CTGTAGCAC	CTTAACTGCA	TTCAATGTGT	TGA'TATTGG	TATCTTTATT
123351	AGCATTCCAT	TAAAAGTGT	TTCTAATTTT	TTGTTTGACC	TAAGGATTA
123401	TTAGATGTGT	ATTTCTTAGT	TTTCAAGCAG	TTGGCAATTT	TATAGTTTTT
123451	CAATTATCTC	TTTTTCTCTG	TCACCTGTGT	ATTCATGTCT	AGCACAATTT
123501	TACTGTGGTC	TGACTTTGAA	GATTTCAGTC	CTTAAAAATCT	GTTGAGGCTT
123551	GCTTTATGGC	CCTGTATATT	GTCAATTTTG	GTAAATGTTT	CATGTGCCCT
123601	TGAAAAAATA	TTGAATTCTG	TTAT'TGTTGG	TTGCATTTAC	ATCAACTTGC
123651	CAATTATGTC	CATTTTGTCA	TCGTGTAGAT	TTTTTCTATC	TTTATTGATT
123701	TTTTTAATTC	TGTCAGTTCT	TGCTTCATAC	ACACACACAT	GCACATGATG
123751	CACATGCACA	CACGCACACA	TTAT'TGGGTG	TATATGGATT	TAGAAT'TGTT
123801	TTATATTCCT	GGTGGTTTGT	TTTATTAATC	CACCATCTTA	CTCTTAGTAG
123851	TGTTTCTTGC	CATTTTGGTG	TTTGTATGGT	TTTTCTATCA	ACCTCTCTGT
123901	ATTCCTATAT	TTAAAGTTTG	TTTTGTGAGC	AGAATATACC	TTTTTTCCAG
123951	TCTGATAATT	TAGTTTTTTA	ATTGGAGTCT	TTTCCCTCTT	GTGTCATTTG
124001	CCTTATTTTT	GTCATGAATT	TTTATTCTAC	ATAATTTTTA	AACACCACAA
124051	GATATTGTTA	ATTTATTTTT	GTAGAGTTAA	TATTCATTTA	TGCTATTTTT
124101	TTGGTGCTCT	TTATTTCTTC	TTGTACTCAT	TGTTTTTGTC	TGGTACATTT
124151	TTCTTCTGTT	AGAAAAATTT	ATGTCTAGGA	TTTAAGAAAT	GCTTTCCTGC
124201	TGGT'AATGAA	ATCTCTGTTT	TTGCTTGGCT	AAAAACATCT	TTATTTCCCTC
124251	TTAATTTGAA	GGACTGTTTT	TTCTGGGTAT	AGAAATCTAA	CCAGATGCCA
124301	TTAATATAGC	TTGCAGATAG	ATGCAAAATT	TAT'TGATTTT	CAAATAATTT
124351	TCATCATTTT	TAATATTTAC	ATTGATATTG	GTATTCTAGT	TGATTTCTAGT
124401	CAC'TTCTTC	TAACTACTCC	CTCTTCTTTC	TAGCATTCCT	TAA'TGGAAAC
124451	AGTCTAGGAT	TTGGAAAGAT	AAATGCCTTA	ATTCAAGAGT	CAGTTCTACC
124501	ATTTACTACC	TATGTGACCT	TGGCCAAGTC	ATTTAACTTT	TCTGAGCCAA
124551	TTTTCAATCT	ATAAAAATGG	GAAAAATATT	ACACGGGCTC	TATTTCACTG
124601	GGAAGTTATA	AGGGATTGTT	GAGATATTGT	CAGTGC'TTTG	TAAAAATGTAA
124651	AGTACCAGTC	AGCTCAGTTG	GAAATATTTA	TGTTATTATT	TTACTGGAAC
124701	AGAAATATTTC	TCAGTGTACA	TATCCAAAAAT	TCTCTTACAA	ATGCACATTT
124751	TCATGAGTAC	CCACAAAATA	GTTCAATGGT	ATTATTCTATG	TATTTATTTTC
124801	TGCTATCCT	TTGTTGTATT	AAGGACATTG	TTAAAAGTTA	CATAAAATGT
124851	AAC'TTACACA	AGGTCAATCA	CAAGTTTATT	TCTTATCTTT	CAAGTGACTA
124901	ACATGAAAAG	GAAAACCTGG	ACAGTTACAT	AATTCATAAT	GTCCATAAGA
124951	TAAAAATAAT	TCA'TTATTCA	GGAGAAGTGC	CATTATTTCT	TAATACTAAG
125001	CTCAGACAGG	AAT'TTCCCTT	TCAGTTTTTT	TTTAATGAT	GTAGAGTTAT
125051	TTAAAAATATT	TTCCGGCTGG	TTTAGAGGTT	ATTGATTTTG	ATGGTTAATC
125101	CAAATCAGTG	TTGGACTTAT	CTAGAATTTT	AATATTCTGT	TTCATACTCA
125151	CCATGGGAGA	ATTATACATT	T'AATGTGGG	CTCAAGTAG	CTGCTCTTCC
125201	ACTCCACTTG	CAAATGGATT	ATATTACAGG	AATAATAAAT	AATGCCAGTT
125251	TCCTTTTCAA	AATGCTTGGA	TACACATTAG	AGGGAAGGTT	AGGCTGCTAA
125301	ATTAAAATTA	TATTTGTCAT	ATATAAAATT	ATCAAACATG	CTTAGGAAGA
125351	TAATATTTCAG	CTGCATTTTA	TGTATTAAAA	GCTAATTCAA	AAAATCCTTA
125401	CATTAATCAA	ATACTTAGAA	TTCTTACTAT	GTGCAGGCAT	ACTGTTAACT
125451	CTGATCTGC	TTATTCTTTG	ATAAAAAGC	TGTCATTTCAG	ACTTACTTTT
125501	GTGCTTTATT	CTTTCACATT	TTTGGTTTGT	TTTTTGGTAA	ACATGTATTT
125551	AAATGGAAAA	AAACTGTATG	AAACTGCATT	TTTAAGTCAA	CTACTGATTG
125601	TATGTTTGTG	CTTCACAGCC	AATGCCCAA	CACATCTGAG	GTTTGTGATG
125651	ATGAAAAAAT	TTAAAAATAG	ATATTTGTTT	CTTATTTAAA	TCTTTTGACT
125701	TTGTCTTCAG	GTCACTGGCA	TGCATTTTGT	ATGAGATGTG	CTGCATGAAT
125751	CATGCATTCG	CTGGCTCCAA	TTCTTATCC	ATGTGTTTAA	AAATTGTTGA
125801	AGGTGACACA	CCTTCTCTCC	CTGAGAGATA	TCCAAAAGAA	CTAAATGCCA
125851	TCATGGAAAG	GTATAGAAAT	AAACATGTTG	TCACAGAAAT	AATTTTAAAGT
125901	TGFACTTATG	TTTTAGTTTA	CCTGAAAAAT	AATTTCTAGT	TTAAACATTA
125951	CAGCATGTTG	AACAAGAATC	CTTCATTAA	ACCATCTGCT	

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126001 TAAAAATCCC TTACCTTGAT GAGCAGCTAC AGGTATTTAA AATGAAAGGG
126051 ATTCTGGGAA ACAGGTATGA GCATTTGTAT ACACATTCCA TGACTTGAAG
126101 ATATGCAGTG GGGATATGAT TCAGTAAGAA TCAACCAGAA AGGAGGAAAA
126151 AGGCCAAAAA GAAGCTGAGA GGCCGAGGCG GATGGATCAC GAGGTCAAGA
126201 GATCGAGACC CTTCTGGCCA ACATAGTGAA ACCCGTCTC TACTAAAAGT
126251 ACAAAAAAAA TTAGCTGGGC GTGGTGGTGC GTGTCTTTAG TCCCAGCTAC
126301 TCAGGAGGCT GAGGCAGGAG GATCACTCGA ACCCAGGAGG TGGAGGTTGC
126351 AGTGAGCCGA GATTGCGCCG CTGCACTCCA GCCTGGCAAC AGAGTGAGAC
126401 TCTGTCTCAA AAATAAATAA ATAAAAATTT TTTAAAGCTG AGAAAAATAG
126451 TAGTCAGGAC AATCTCTTTC CAAAATAAGG TGTGTGTGAA CTCCCATTCC
126501 CCAGTGCCAC TGAATAAAG AAGTTAGGTT TCTGATTTTA TGCCAAAAC
126551 CAACATCCAC CTTGGAGCT CTGTTGACAG ATCTTACCTG AACACTTTGT
126601 AACTATATCC CTGCAAGGAC AAGAATATGC TAACAGAGGA TGCTAAAATC
126651 TAGGGTTATC ATTGACCATT TATAATTCCA ATCCTTTATT ACATATCTCA
126701 ATAATACTTT TTAATGATTA GCTAGGTTTA TTTTGTTTTC TTGTAAATTA
126751 GGAAATTTGA CATAGAGGCT GTGTCTCAGG TATTAAGAAA GCAGAAAATG
126801 GTCCCTCTT TAGAGGGCTT TTGTTTGTTC TTTTAAAAA CTTCTCAGGG
126851 TTTTACAATA CAGGTCCCTG AAGCAAGTTT CCTCTGTAAT TTTATGCGTA
126901 ACTTTAAGAG GAACCACAAA ATGGTCATCC ACTTTAAAAA CTGTGGGTAC
126951 CTTTTTCATCA GTGGGGCATG TTCCAAACCC AAAGGAAGCA AAGGTGATAA
127001 ATGATGTGTA CTTATTAGTT GAGTGCTGGG CACTGTGCTG ACACCAGGGG
127051 ATGCCAAAAT GAAAGGAACA GGTATGTTTC CTGTCCTTTT GAAGCTTGAC
127101 TGCTAGTGAG AGAATCCAAT AACCAGAAA AAGTAAGGAT GTAAATAAAA
127151 TAAGTATATG CCTAGCACTG GGAAGAAAAGT ATAATAAACA AACAGGATAC
127201 TGTAAAAATA AGGGAGAAAAG GAAGGGCTTT GGCGGTCAAA GGAATAGGTG
127251 ACATTTCTTT ACCAGTGAGC CAATGGGAAG CAACCAGCCA TGTAAAGAGC
127301 CTCAGAAACA GTGTTTGAAT CACAGGGAAT AGCTGGCACA GAGAGTCCCT
127351 GATTATGTTG TGCCTTGGAG GTAGGTACAA ATGGGAGGGT TCTTATGCAA
127401 GCATATGCTC TCAGGGAAGC CCATGCGGTC ATGGGGAAGG CTAGACAGGA
127451 GAGGGAGGCA GGCTTAGGTT TCCTGATACT TCCAGCTCTC CTTCTGTGCA
127501 GGGCAAATGG GATCCAGTAG AACCTGCAGG TGGTCCTCTG GAAAGAGCCT
127551 CATATGCTGG TTGTGGGGAT CAAAAACACA CTGAAGAGGC TTTGAGCATT
127601 CAAAAAATAA ATGGGTCAAA AGGTATTCAC AGGGATCTGC TGGGACCAAG
127651 ATGAGGCAAG TGAGGCCCTT GACTCTGGGG CAAAAGTTAA GGGGACACTA
127701 AAATTCATAA TCAAGATAAG TAATATTTTA AAAATCCAGA TTAATGCTTA
127751 AAATCCCAGG TAACAAGATA TTAACACTTT AAAGACAGAA TCCAGCAGGG
127801 CCAGGATTAG GGTGAGGTAA GTGAGGTGGA ATTGTGCAAG TTCAGGGTTG
127851 GATCCTATCT TTAAAGTTTT GCTATTGTAT TCTTTATAGT TTTTGTGACAT
127901 TAATTTTGAT TTTTAACAAT AATGTTTATT AAAATTATTT ATCTTGGCTA
127951 CTGAGTTTTT TGGTGCCCTC TTAGATTTTG TGCCTGAGGT ATCTCACTTG
128001 CCTAAACCTT GCACTGGCCC TGGGAGTGTA GATACTGTCC TCTACAGTCT
128051 GGGAGGTTGG AAAAAGCTTG TGTCTTCTTG TAGCTGAAAG TAGGCCTGCC
128101 CATGATTGGC AAAAGGGAGT GAGAGAGCAA GCAGTGCAAG ATGAAGCTGG
128151 AGAGACAGGC AGGAGCCTGA CCCTGCAAGA TCTTCTTGGA AAAGCTACAT
128201 GTAATTTTAC ATAACCCAGG GAAAACTAGC ATGCTTTGTT CTCAGGCTCC
128251 CTGCCATGGT CAAAAGCACC CCAAATCTGA AAAGATTCTT GGTAATTTAT
128301 TCCCTTTTCAT CCTTAAAGAG GAGCCTTTAA GATATGTCAG GGTGATCTTT
128351 TTTTTCAGAA CCTAATGTGT AGATATTCAG AAATGACTCT GGAAGACAAA
128401 AATTTGGATT GTCAGAAGGA GGCTGCTCAT ATAATTAATG CCATGTAAGT
128451 AATTGCTTTG TTTTAAAAA GCCCATCGAG TGTAAATGTT AAATGTATTT
128501 GTCTTTAAAA ATCTATTAGC ACTAACTGA CTGCATCGAG TATCCTAGAA
128551 TTCCTTAAG TCTTGCCAAG AAATTAAGGA GCTTCAGGAA CTTGGTGTTC
128601 CAAAGCCCTT TACCCAGGT GGTAGCAAAT TGAAATCATG AAAGTTTAAA
128651 CCACTGCACA GCTTACAGAT CTGCAGGTA GCTCTGCAGT TGCCTTGCAA
128701 GGATATAGAG AAGTTAATAT CTCAAATATT TAGTAACATT TATGCTAATG
128751 AGCCTTCCAT AATAACCATA AATGGCTTTC ACATGTTGTT TGTTTAATGT
128801 GAACCTGGCAG AGTATCTATT GACAAGAAAA CATTGTGGAG TCCTGAGACA
128851 ATTGAAAATA AGCCGAAATT CACTTTCTTG AAATATACAT TCCTTCACAT
128901 AAGAACTAAA CATTGTATTC CCCAAAGAAA CATAATTATT TCCTGATCTA
128951 ACTTCTCTCT CCTACCTCGT TCAAAATTTT TGTTCTATAA CTTGCAAGAA
129001 CCCAGAATAC TAGGTTCTTA TGTCTGGAT TTTTGCATAG TTTTACAGTC
129051 ATGCACAACAT ATGGTATACA GGAGGTGTGC AGGACAGTGG GATGAAAACA
129101 GAAGCCCTCA ATAGGCTGAT CTAGCACAAA TATACTCCTC CAACACCCAG

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129151 TCCAATGTTT CTCAACGCTA CCATGTTTGC TTTCCATCCT CACTTTCAAA
 129201 CTGAGGAAAT TTGCATGATC TCCAGTTAAG ATACACTATA TACCACAGGG
 129251 GGTAATTTT TAGACGTGTT CTTAATAACC TTGTTTTAT GGTATTATTAC
 129301 CTGCTATTTT AAGAAACGTC GAAATTTCCA ATTGTATTTT ATTAAGTAGA
 129351 GATGTAAGAG TAGTAGATAT TTTTAAATA CTGGACTAGT TTAGCTATT
 129401 ATTTTGTTACT GTAGTTATAA AACTGACACT GTTTACAATT AACAGTGTTT
 129451 TAGAATCCAG TTGTTTGGAG GGTATTTTAC ATTATGAAAT ATTGACTTCA
 129501 GATGGTCACT GCTATTTTCG AGATCTATGA CTATGTTTCA AGGAGATCCA
 129551 TTGGTCTGAC AAAATAAGAG ATGTATATTC CTGAAATTTG CATGTCCTCT
 129601 GGAGTCTGTT GTCTGGATGG TATCAGAGAG GTATTAGAAC TGTCCTCAGA
 129651 GGTCAATTACA ATTTTCTCAT AGTGTGTTGTC AAGGAAAGAG TTGGGTGTGA
 129701 AAGGTCTTCT ATAGTATTGG GTCCTAACCA AGTCAGGAAG AGAAGCAAAT
 129751 GCCATTGAGA ATGTGGTTGG AGTTCTTTCA ATGTGCCTTC CCTCTGAAGA
 129801 CTTTTAGAAG TGTGCCAGTC ATCCCTGTCT ATCTGGCTGC CTCTAGTCGG
 129851 CCATCTTGCC CCTTCCCTCA TGCTAAATTT TATTGATTGT GTCTTCTATT
 129901 CCAGGCTTAA TACAGTAGAT ATTTTGTGCT GAGGTATGGT GTAGTGGTTA
 129951 ATTGCACAGA TTAATAACAC TCTCTCAATT CAAATTCTAG TTCCCAGGTA
 130001 ATACTCTGTA TTAATTTGGA CAAGTTACTT AACCTCTCTA TGACTATAAA
 130051 AAAAAGTACC TACTTCATAG AGTTGCTCTG CATTTAAGTG AGTTAATTCA
 130101 TGTAAGTGC TTACAAGCAT GGGGTTATTA CCTGCTAAAA TGTTAGCCAA
 130151 TGTGATTATT TAGCCTCTTT TTCAGTTAAG GAAATATGCT TAACATTAAT
 130201 CATACATTGA AAGATGTTTA TGTGCTGGTT GTTGGGATCG AAAACACTGA
 130251 AGAGGCTGTG AGCATTCCAC AAAAAAAGTCAA AAGGTATTCA
 130301 CAGGGATCTG CTGGGAGGAG GATGAGGCAA GTGAGGCCCT TGACCCTGTG
 130351 GCAAAATTTT AATGGGACAC CAAAACCTCAG AATCAAGATC AAATTTTAAT
 130401 GCAATATTGT AAAATTCCAA ATTAATGCTT AAAATCCCTG GTAACAAAAT
 130451 ATTAAGTAA TAAAGACAGA GTCCAGCAGG GCCAGGATCA GGTGAGGCAA
 130501 GTGAGGTGGA ATTGTGTAAG TTCAGGGTAG GATCCTGTCC TTAAAATTTT
 130551 GCTATTGTAT TCCTTATGGC TTTTGTGACAT TAATTTTGAC TTTTAAAAAT
 130601 AATTTTCATT AAAATTATCT TGGTTACTGA ATTTTGTG TGGCCCTTAA
 130651 GATTTTGCGC CTGAGGTATC TCACTAGCCT AAACCTTG TGCGCCCTGG
 130701 GAGTGTGATC ATTGTCCATT ACAGTCTGGG CGGTGGGAAA AAGTTTGTGT
 130751 ATTCTGAAC ACAGAGTGTG TTATTAATCT GTGCGATTAA CCACTACACC
 130801 ATGCTGCAAC AAAAATATCT ACTGTATTAA GCCTGGAATA GAAAACATAG
 130851 TCAATAAAAA TTAGCATGAG GTAGGGGACA AGATGCCCTA CCTCTAGTTG
 130901 GCTAGATGCA GCCAGGTGAG CCAGGTGGAA CAGCTGCCAC TGAGGGACCA
 130951 GGATGACTGG CACACTCCTA ACAGATCTTC AGAGGAAACA ACTGAGAGTG
 131001 GTTGGAGAGA AGACACAGAA GCTGGGCTGA AGGGGAGGA AGGTGGGAAT
 131051 CCTGTATGGG GCCACTGTAC ACCTGTGCAC CGGGACCTCC AGTGACGCTG
 131101 GGGGAATGGG TGAGTTGAAC TGGCAGAGAG CAACCTATTG TTGCCACAGG
 131151 CCTCTGGAAT CCTGGCTGGA GGACACCCCT TGACTACCAG GGACACTTGA
 131201 GTTGGTAGGG AGAGCTGCTT AGAGAAGTGG TAGGGGCAGC ACACCAGCTG
 131251 ATGTGAAGTC CAGAGGTTT GGTGCTTGAG TGTCTGCAGC AGAGCATGGC
 131301 CAGGGAGACC ATCCCCCTAG GCTTGACTTG CTCCCATGGG AGGCTTTAGA
 131351 CCCAGGGGAA CTGTCAGACT TGAACCTGTC AGGCACTCTT ACCCATCAGA
 131401 GGGGGCTGAT CTGACCTGAG CACCCCTTGA TCTTCTGGCC TCTCTGAGG
 131451 CCCAGCCTGG CCATGCCTGC TTGCAGTGCA GCCACAGGTG TCTTGGGGGT
 131501 CTACATCATA GCTCCCGTAC TGCTGAGGAA TCATGCCTGA CTGGAGGAGA
 131551 GATCCAGTAG GGAGGCCTGC TCCTTCCCTT AACTGCAGCT TCCTCAGGCT
 131601 CACAGCCACC ACCCTCCCCA TGTTGCTTTT CTGGCATCTA TATACATGGG
 131651 CAGATTTTGA CTTTCTGCC CTGCCAGCGT GCATGTGCAT GCACACTGCC
 131701 CTGCTACTGC TGCTGACAGG AGTGTATCCC ACCTCACCTC CCCTGCCATT
 131751 GCAATCAGAG CTTTGGCGGG CACAGAGACA GCCAGCCCTG GCCCTACCAG
 131801 CACCTGCCCT CTGTACCAAC ACTGCTGCTA GAGTGAACT AGGTGCAGAG
 131851 AACAGCGGAC CTTTCCCTGC CCTGAGTGGC CACCCCTACC TGTGTCAGCA
 131901 TGCACAGAGG TTGCACACAG ACCTATGCCC ACAAGTGCTG CACCTGTGTC
 131951 TAACACCACC ACCAGCAGGA CCACATGCAC AGTTGCCAGT GGAGGGCCCC
 132001 GGCTCCCTGA GCCATTTCTGT CTCTGCTGCT GCTGTGAATG CCACAAGGA
 132051 GACAGGCACC CTGACACCTG CTAGCACCTT TCCACAGCTG ACAAGTCTGC
 132101 ACCCTCCAC ACTGCCACTC CACCACCACT GCCGCTGCTG GCACATGCAA
 132151 GCAAGGATGG ATCTGCTGCC ACCATCCTAC AAAATGGTAT GGCTGGCACC
 132201 ATCCATCAGA GTGTAGTGAC CAGCTGTCCA GGAGCACATT GGCCCCCACA
 132251 GCGCAATGAG TTGACGACCT TGAGGAGCCA GAGAGCAAAA TTGGGGCCCA

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132301 GTACAAGTCT CCCAGAGTTA GAGCACACAG CCCAGGAGCT GGGAGCTGAG
132351 CACTGGCTGC CTAAAATTTT CCAGAAACAA AACCAGTCTA CTGAATCCAC
132401 CTTATAACAC AATCAAACCC TCAAAGTTAT CAAGTAGAAT AAAAGGAAAA
132451 AACATCCAAA GGATAGCATC TTCAAAGATT GAAGGAACTT CAGCCCACAA
132501 AGATGAGATA GAGCCAGTGC AAGAAGTTCG AGAACTCAAA AAACCAGACT
132551 GCCTTCTTTC CTCCAGGTGA CCACAGTACC TCCGTAGCAA GGGTTCTGAG
132601 ACAGACTGAG AAGGCTGAAA TGACAGAAAT AGAATTCTGA ATATTAATAG
132651 GAATGAAGAT CATTGAGATG CAGGAGCACA TTCAAACACA ATCCAAGGAA
132701 GCTAAGAAAC ATAATAAAAT GATACAGGAG CTGACAGAAA AATAGCTAGT
132751 ATAGAAAAGA ATGTAACCTG CCTGATTGAG CTGAAAACCA CACTGTAAGA
132801 ATTTCAGGCC GGGCCCAGTG GCTCATGCCT ATAATCCCAG CACTTTGGGA
132851 GGCTGAGGTG GGTGGATCAT TTGAGGTCAG GAGTTTGAGA CCAGCCTGGC
132901 CAACATGGGG AAACCCCATC TCTACAAAAA TACAAAAGTT AGCCAGGTGT
132951 AGTGGTATGT GCCTGTAATC CCAGTTACCA AGGAGGCTGT GGCAGGAGAA
133001 TCGCTTGAAC CTGGGAGGCG GAGGTTGCAG TGAGCTGAGA CAGCACCATT
133051 GCACTCCAGC CTGGATGATG GAATGAGACT CCATCTCCAA AAAAAAAGA
133101 ATGCAATCTC AAGTATTAGC ATCAGAATGG ACCTAGCTGA GGAAAGAATC
133151 TCAGAGCTTG AAGACTGGTT TTCTGAAATA AGACAGTCAG GGAAGAATAG
133201 AGAAAAAGGA ATGAATAAAA CCTCCAAGAA ATATGGGATT ATGTAAAAGA
133251 GGTCAAATCA TGTCCCTGAA AGAGGTGGGG AAAATGAAG CAATTGGAA
133301 AACACAGAAA TACATTGCAT AGAAACATAG AAATTTTCATC CATAAGAACT
133351 TCCCCAACCT AGCTAAAGAG GTCAACACTC AAATTCAGAA AATGCAGAGA
133401 GCCTCAGTAA GATACTTCAC AAGAAGATCA TCCCCAGGA CACATAATCG
133451 TGAGGTTTTT C AAGGTCAAA ATGAAAGAAA AAATTTTAAA GGCAGTTGGA
133501 GAGAAAGGTC AGGTCACATA CAAAGGGAAG CCCATCAAA TAACAGCAGA
133551 TGTCTCAGCT GAAACCTTAC AAGCCAGAAG AGATTGGGG CCAACATTCA
133601 ACATTCTTAA AGAAAAGAAA TTCTAACCCA GAATTTTCATA TCTTGCCAAA
133651 ATAAGCTTCA TAAGCGAAGG AGAAATAAGA TCCTTTTCAG ACAAGCAAAT
133701 ACTGAGGGAA TTGTTACTAC CAGACCTGCC TTATAAGACC TCCTGAAGGA
133751 AGCACTAAAT ATAGAAAAGA AAGACCATTA CCAGCCACTA CTGGTACACA
133801 CTGAAGTACA CAGACTCTAA GTGACACTAT AGAGCAACCA TACAAACAAG
133851 TCTGCATAAT AACCAGATAA CATCATGATG ACAGGATTAA ATCCACACAG
133901 ATCAATCCTA ATCTTGAAATG TAAACAGACG AAATGCCACA ATTTAAAGGC
133951 ACAGTGTCTGA GTTGGATAAA GAAGCAAGGC CCAACTATAT GCTGTCTTTG
134001 AGACCCATCT CACATACAAT GGCACACATA GGCTCAAAGT GAAGGATGGA
134051 GAAAAATCTA CCAAGCAAAT GGAAAATAGG AAAAAGCAGG GGTTGCTGTT
134101 CTAATTTCAA ACCAAACAGA CTTTATACCA ACAATAATCA AAAACAAAGA
134151 AGAGCATTAC ATAATAGTAA AGGGTTCAAT TCAACAAGAA GATCTAACTA
134201 TCCGAAATAT ACATGCACCC AATACAGGAG CACCCAGATT CATAGGGCAA
134251 GTTCTCAGAA AGCTTTACAC CAGTCAGAAAT GGTGGATCAT GAGGTCAAGA
134301 GATCGAGACC ATCCTGGCCA ACACGGTGAA ACCCCGTCTC TACTAAAAAG
134351 ACAAAAATTA GCTGGGCGTG GTAGCGTGTG CCTGTAGTCC CAGCTACTCA
134401 GGAGGCTGAG GTTGGAGTGA GCCGAAATCG TGCCACCGCA CTGCAGCCTG
134451 GCAACAGAGC AAGACTCCAT CTCANAAAAA AAAAAAAAAA GAAAAAAAAA
134501 GTCAAAAAAT AGATGCTTGT GAGGTTGCAG AGAAAAAGGA ACACTCATAC
134551 ACCATTGGTG GAAGTGTAAA TTAGTTCAAC CATTTGTGAA AACAGTGTGG
134601 CGATTCCCTA AAGACCTAAA AATAGAATAC CATTTGACCC AGCAATTCCA
134651 TTACTGGATA TATACCTAAA GGAATATAAA TCATTCTATC ATAAAGACAC
134701 ATGCACGCAT ATGTTCAATTG CAGCATTTGT CACAATAGCA AAGACATGGA
134751 ATCAACCTAA ATGCCCATCC ATGGTACACT AGATAAAGAA AATGTGGTAC
134801 ATTTACACCA TGGGATACTA CACAGCCATA AAAATAACAA GATCATGTCC
134851 TTTGCAGCAA CATAGACAGA GCTGGAGGCC ATTATCCTTA GCAAAGTAAT
134901 GCATGACCAG AAAACCAAAT AATGCATGTT CTCACTTATA AGTGGGAGCT
134951 AAATGATGAG AACACATGGA CACATAGAGG GGAACAACAG ACACTGGAAT
135001 TTTTCAGAGG GTGGAGGGTG GGAGGAGGGA GAGGATCAGG AAAAATAACT
135051 AATGGGTACT AGGCTTAATA CGTGGGTGAC AAAATAATCT GTACAACAAA
135101 CCCCTATCAC TTGAGTTTAC CTATATAACA AACCTGCACA TGCATCCCTG
135151 AACTTTAAAT AAAAGTTAAA AAATAAAAAA ATAAGATTTA GCTATTAAAA
135201 TACTAGCATT TTGGAATACT TTTTATGTGC TAGGCACTGT GCATATGTTA
135251 TCTCATATGA TACTTACTGT AGCCCATTTCT TTACAGATGA GAAAAGTGG
135301 ATTCAGGGAG GTTCAGTTAC TTGCCAAGG CCACAGAGCT AATGAGTGGT
135351 GGAGGTGGGA TTGGAACCCCT GCCTAACCTT AAAGATTATG GTTTTATCC
135401 ACATGGTGGA ATTACTGGGC CAGTCTATTT ACTCTTTAAT GGCCAAGATC

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135451 CTAATTTGTT TTACATTATG AAAACTAGTC ATTGGCGATG AAATGAGCAG
135501 GAATTTGGAA AGTAAATAAT TTCCTTTAAA CAAAAATCTA ATTTGAAAAA
135551 TGTTGCTTAT TAACACAGT CCTGGTTGGC TCATTACATA CCCAAAGCTT
135601 ATTAGTTTTT GCCTGGCCTG TCTCAAGATG CTTTGTCTCT CAGTAGTGTA
135651 GTGATACTTT TATAAAATAT TTGTTTAAAT TTTCTGAACA TGTTTGGGAT
135701 GGGCTATATG AGGGGAATCT TTGTTATTTA TAGGCAAAAA AGGATCCACC
135751 TGCAGACTCT GAGGGCACTG TCAGAAGTAC AGAAAATGAC GCCAAGAGAA
135801 AGGATGCGGC TGAGGAAGCT CCAGGCGGCT GATGAGAAAG CCAGGAAGCT
135851 GAAGTAAGCT GCTTTTCCTT TAGGCACTCA TGCTCGGGAC TACTTCTCAG
135901 GGCTCTCAGG GAATTTACAG AGAAAAGCAA AAACCAAAAC AGGAAACCCC
135951 AATGCATACG ATTATGTATT TATGTGTTTA TTCATTCACT TGTTCACTCC
136001 AAGATGATTA TTGAGCCATA GATTGAATGT CAGGTGCTAT TAATATCAGG
136051 CTTTCAGTCT TGTGTGAAGG GAAAGATTAA CTATTTGGGA GGTTATTAGT
136101 GATGAAAATA GGGTCAGTTT CCAAACGAAA TCTCATTGTT GTTGACAGCT
136151 TCTGCACATA CCCCAGCAGG AGACATCACT GTTTCACCCG GATTCCCTAG
136201 GTGCTTGCTG CGTACCTTCT ACCAGGAGAC CTCACTTATT TATAGGAAGG
136251 AGACTTTATT GGCAGGAAAT TGTTAGCTTT TGGAAGAAGT AGACTGGAAA
136301 CAGAGCTCTG TTCTGTCAAG TGAAGCATTT AGAAAAGTCT ATGCTCAGGG
136351 CGATGTTGCT GGTGGGAGAT ATCACTAGTA ATTAGAGTAT TTACATGAAA
136401 AAGTGAAATT TCAGGTGTTA GCCAGGATGT AGAGAAAAGG GAACCCTTGT
136451 GCAGTAGTGG TGAGAATGTA AATCAGTACA GCCATTATGG AAAAATAGCA
136501 TGAAGATTCC TCTAAACATT AAAAAATAGA ACTACCATAT GATCTGGCAA
136551 TCCTACATTT GGACTTATAT CCAAAGAAAA TGAAATCAGT ATATAGAAAA
136601 GATACTTATA CTCCAATGTT CATTGCAGAA TTATTACAG TAGCCGAGAT
136651 ATGGACTCAA CCTACGTATC CATCAACAGA TAAGGGGATA AATAAAATGT
136701 GGTATAAATA CACACAATGG AGTACTATTT AGCCTAAAAA AGAAGGGAAT
136751 CCCATCATTT GCAACAACAT GGATGAACCT GGAGGACATT ATGTTAAGAG
136801 AAATAAGCCA GGCATAGAAA GACAAATACT GCATGATATC ACTTATATAT
136851 GGAATCTTAA AAAGTTAAAT TCACAAAAGG GGAGAGTAGA ATGGGGTTAC
136901 TAGGGGCAGG GGGGCATGAA TGGGGAAATG TTGTCAAAAG GTAAAAAGTT
136951 TCAGACAGGA GAAATAAGTT CTGGAGATCT ATTGTACAGC ATGGTGACTG
137001 TAATTAATAA CAATGTTTTG TATTTTTGAA AATTGCTAAC AGAGTAGAGC
137051 TTGATTTAAT TATCCACAA TGTATACATA TATAAAAACA TCACACAGTA
137101 TATATAAATC TAAACATTTT TTGTCAATTA AATTTTAATA AAGCTGAAAA
137151 AATACATGTA TAAAAATGGA ATTTCAAAGA GGCTTAGAGC CTCAATTTCT
137201 GAAAGACTGA TTTATGTGTT GGTAGGTTAT CAAATTTCCA AATTTTCTT
137251 ATTTTTTCTT CCTCTGCCAA TATTTTGTA GTTTAGGAGC CCAATCAAG
137301 AACTAGAGAG ACAGAAAGAA CCTGAACACA AATCTACGCA TTTTGTCCCC
137351 TTGTTAATTT ATCCAAAAAA TGATTTAGAG GTGTCCTTGT ACTTAGAATG
137401 AATATCACGA TAAGCCAAGT AAGAATCTAT GAGTCTATTT TCCCGTAACA
137451 TTTGCTTTCT TTAATAAATT GGTAGAGAAA GATTTCCATG AAAGTACATT
137501 GTGAGCAGTG GTGTGCTGGT AAATATTTAA CAACCAGCTC TGGGTTTGAA
137551 GGGGACTGCT TATTTGTTTG CTGATTTCTG TGATATAAAT ACTTCCACTG
137601 TGGCCAATAT CAAGCTAACA ATATGATACC ATTTAATATT CAGTTGGGAA
137651 GATATTTACA CAATCTGCTC TTGAGCCAAT ACAAGTTGGA TTCTGCAAAC
137701 CACTATGACA TTGAGTGTGA GTTTTACTGG GAAAATATAT TCACATAAAT
137751 TGCTTGAGCC ATTGCATCAG CTCACAGCCC CAAATCTGTT CGTAATACCT
137801 CAGAAATGGT GATATTTCCA AGGTGCCATG ATTCGTGTCA TTGGCTGGGG
137851 GTAAAAGGAA AATTAAATCT CTGATAGGAA CAGATTAAAA AGGCAAATTT
137901 AATAACATAT ACAGATTACA AAATACATTA AAACGTTTTT TTAATACAAA
137951 GAAGTCACAT ATCTTTCACA TGATACACTA ATATATTTTT CTTATTTGAA
138001 AGTAATGGTT TTAAATAAAG TTTGGTCTTG ATTTTGTGAA TAAGTTGTAT
138051 TGGAATTGTT TCTAGTTGTT GATTATAGAA TCAAGGGGGA TCATGTGTTT
138101 TAGCTAGAAA ATGACTCTAT TGTCAGAAGA ATTATAATGT ACCCGTTTTA
138151 GAGACAAGGG AGTTTGACTA GAAGGTGTT CAGTGATGAA AACCTGAGTA
138201 TAAATTAGCC CACAAGTAAT CATAAGAACT CAAATCTTTC TTCCAGTTTA
138251 GTAGCAGGTC GCTTAACTC ACTCTCTGT AATAGAGAAA ACAAAGTAAA
138301 TGTGTCTAGA AAAATTCCCC TGCGCAATGA CTCCCAGATA TTTCTCATA
138351 AATCCTTTGA TATGTAGCTC TAGTTTTACT TTTTATGGGT TTGTTCATCC
138401 TGAAAGCAGT TTTTGTGTTA TTAGTATGTG TTAGGCACTG TGCTAGGCAT
138451 TGGAACACA TAGCCCTGTC ATTGCACTTG GAGAACTCAC AGAGAGGAGC
138501 ACTGCCTTCT CCTGCTGCTG CATTTTGGGA TTTGTAAGGG TGAATAAGGA
138551 ACCAGAGTAT CTTGTGTGTG CTTTAAAAGA GAATCAGCCG GGTGCTGCAC

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138601	CACATTACC	TTGATGAGGA	AGAGACCTGA	TGGCCTGGCT	TTCTAATCCC
138651	CCAGTCAGTC	TGTTGAAATA	AGGATCACAC	TCATCTGTAT	AATATAGACA
138701	TGGTTTTAGC	AATTGCGAGT	TATTTTTCTA	CATTCACTTT	AAATTTACAG
138751	AAAGATTGTG	GAAGAAAAAT	ATGAAGAAAA	TAGCAAACGA	ATGCAAGAAT
138801	TGAGATCTCG	GAACTTTCAG	CAGCTGAGTG	TTGATGTACT	CCATGTAAGT
138851	ACCTCTTAT	TTTAAATTTT	ACATAAAAAA	TTTTCTTGCT	TTGATTTCAT
138901	GGCGATGATT	GGGTAGGAAA	AGGGGACAAG	GAGAAAAACA	GAACATCCAG
138951	ATTAACCTCA	CCCAATTCCA	GGAAGGATTC	TAGAATGTAG	GTCAACAGCT
139001	GGTGACAACG	ATTCAAAGCG	GCTGTAGCGA	GAGGTGGATC	AATTGATCCA
139051	TTTAACAAAA	ATCAAGCTCC	TACTCTGTAC	AAGACAACGT	AATTGGCACT
139101	GAATGCATAA	CTGATGGGTT	AAAATGATTA	GCTGACAGAA	CAATGTGTG
139151	TATATCTAAT	TTTTAATTC	ACCCATGCTA	TTGTTGCTTT	ACCTCTTTAG
139201	TACATTGTTC	TCTTTGCTGT	GTTTTATTTC	TTTTCTTTT	TATTTTGTG
139251	CCTACCCATT	TTGTTGTACA	TTGTGTTAAT	AATTTCATTC	AAATTTTAAC
139301	TGTCATAGAT	GTTCAATAAT	GAATAGAGTT	GCAGATTCAC	ATGAAATGAC
139351	CCCAAATTCA	TGTCCTCGGC	ATTCCAAATC	TGTAATAGC	AAACACCATT
139401	TTCTCTAATG	GTTGACAATA	TCTCCACAGG	CCTTGGGTAG	GCTCTGATTA
139451	ATAAGGTGGT	CTTTACAACG	TCAAATTTGG	GCAATAGACA	TCAATACCAA
139501	CCTCATAGCA	CTTCAGGTAA	AAGCAACTTG	GGATGAAGCC	ATTTTATAG
139551	AGAACTTCTA	CTGTCTCAAA	TTCTGATTTT	TATTCACGGA	GATCCCTGCA
139601	TGTGAGAGAT	TCTCTCCTTT	AGCAGGAAGC	ACCAAGCTCC	CTGAGGCTGT
139651	GGGGACAATC	CCCCAAGCCC	CAGGGATGCT	AATCTGTGTG	TAGCTTAGTT
139701	ATCAGATGGC	TCCAAGCCCT	GGGGCATGCA	GGAGACCTCA	CCCTCAGCCA
139751	GACAGGGCCC	CTCTTTAAGG	GGGAGATCTG	CCAGTAATGC	ATCTTTCTCA
139801	ATTATTTAGG	GGTTCTGTGT	TTCTTGGAGT	TCTAAAATC	CCAAGTGGGG
139851	ACCAATAAGA	GGCCTAGCTT	CCTCTAATTT	CAGGAGTCTT	CCTCTGTTTG
139901	ATGGACCAGT	TAGCAGACAA	TGTGGGGATG	ATGGTAATAT	GTGCTCAATT
139951	CCATCCCCCT	TTTCCCACCC	CTCTGACACA	CCATTTAAGT	GAAGGCCCCC
140001	TGTGGGATCT	GTTGCAAGCT	ACAGAGAATT	GGGAGATGGG	TTCTTTCCCTG
140051	CTCAGGGAAC	TTGGCGAGTG	AAGAACCCTG	TGACTGAAAG	GCCATGGGGT
140101	CAACAATAGG	GCTGAGTCCC	TAGTTGGAGA	AAGGTCTTGA	TGCCACCATT
140151	ATGGAAGGAC	TCAGGCCCCC	CTGTGAAAAT	GGGTGCATTT	CTTCAGCTTC
140201	CCACACACTT	CTAGGCCCTG	CAAAATGATAG	CCTGTTAAGG	TGGCTCTTCT
140251	TCTCTGGTGC	AGTCTGCTTT	GTCCCCCTGC	AGTGCTGAGA	ACTGCACATT
140301	CCCACAAATC	CTGACAAGGA	GGCTGACAGA	ATTATAAGAA	TTCCGAGTTT
140351	TTTAATGTGT	AAAGTACTTG	TTTATTTCAG	TATAGAAATG	GGGACATACT
140401	TTTTTAGAAT	GCTCAGAGAT	CTGTATTTC	TTATAAGTCC	TCTGCTAATT
140451	CATATGCTGC	TGGTCTGATT	CCTATGTACA	CTCTGATTAA	TAAATGAATAG
140501	AAAATGGGCC	TCCTGAAAGC	AGTACTTCAC	CTCAGATGAG	GGAAGACTTG
140551	GAAAACCACT	GCTCAGCAGA	CCTGTGCATA	ATCTCTTCAG	GGTCTTGTCT
140601	TCCTCTTATA	AATCAGGGAT	CACTGATTCT	AAGGGATTTT	CCCCCTAAGA
140651	TTGAAAAATT	AGAAGTACAG	GCATGGTATT	ATTTTGT'TCT	TTAAAACTCA
140701	AATGACTTCA	TCTTTGAAGT	TACCATATGG	CAAAAAGAA	ATGTAGTTTC
140751	AAGTATGAGC	TTAAATATTA	GTGTCTGATA	ATTACTTAC	CTTTT'TTGTCT
140801	TTTCTTCTTT	GACCCTTCAA	GATCACCATG	TTTGTGTTCT	TTTTTATTGG
140851	ATGGAATTAT	TATTGGTGTT	ATAACTATAC	TCTATGAGGT	CTTGTCTTCC
140901	TCTTATAAAT	CAAGGTCCCT	TGGGGGGCCCT	GAAGTAACGT	AAGATAAGCC
140951	TGAGACCATA	TGGCAGGCAG	CATCCCCAAA	AATGTTCTTA	TGCATATATT
141001	ACTCCACAGA	ACATGGGAGC	TAGACACAAA	GTTCTGATCT	TGGCCCAACT
141051	CAGATGAAGA	AAGAGAGGAT	TTCAACAAGGA	TCCATGAAC	TCCCAACTCA
141101	TCACTTCCCC	AGTGACTTCC	CATTTTTCATC	CCCTTCCCAT	CAGCAAGGAG
141151	CAAGGGGAGC	AGGAGGGGAA	GCGACCGATG	CTGATGCTGT	TCTGGACAAA
141201	GACTGTGGTT	TATTCTTTGA	TCTTCTGAGA	TTAGTGCCAC	CACTGTCTTT
141251	GGCCCTGAGC	TTTCCAGAAG	CATGTTTCCCT	ATGTTTATAT	ATTGATGGGG
141301	GCAGAAATGC	TCCAGGCAGA	TAGATGGCTG	TTGAGTCTGT	TCTGTTTGAA
141351	CACGTGTGCC	TCTTGCCAGC	TGGTTTCAGC	CCACAGACTG	GATGGCTCAG
141401	CATCGCCAGG	CATCCTGCCC	TCTTTTGTGC	AGTCACATCA	GTCATTTCCC
141451	TCTGGCACAT	TGTCAGCATC	CCATCTCTCT	TTCAATTGTT	TTCAGGAAAA
141501	CCTGTGTCAG	CCACTTGGGT	CCACAATCAA	TGGACCCTCC	TCCAAATTCT
141551	TATGGCTTAAT	AGTATTCTCA	AACTTGAAT	AGACCTTGAT	TGCCATGAA
141601	TCTTGTTAG	ATGCAGATTC	TGATTCAATT	AGTCCAGGGT	GCAGCTGAG
141651	ATGTTGCATT	TCTTTTTTTT	TTTATTTTTA	TTTATTTTTT	TTTTTTTGAG
141701	ACGGAGTCTC	GCTCTGTCGC	CCAGGCTGGA	GTGCAGTGGC	GGGATCTCGG

141751 CTCAC TGCAA GCTCCGCTC CCGGGTTCAC GCCATTCTCC TGCCTCAGCC
 141801 TCCCAAGTAG CTGGGACTAC AGGCGCCCGC CACTACGCCC GGCTAATTTT
 141851 TTGTATTTTT AGTAGAGACG GGGTTTCACC GTTTTAGCCA GGATGGTCTC
 141901 GATCTCCTGA CCTCGTGATC CGCCCGCCTC GGCCTCCCAA AGTGCTGGGA
 141951 TTACAGGCGT GAGCCACCGC GCCCGGCCGA TGTGCAATTT CTTATAATCC
 142001 CTCTGCTAAT TCCTATGCTG CTGGTCTGTT TCCTATGTAT ACCTTGATTA
 142051 ATAATGAATA GAAATGGGC CTCCTGAAAG CAGCACTTCA CCTCTAGATG
 142101 AAGAAAGACT TGGAAAACCA CTGCTGAACA GACTTTGTCA TAATCTCTTT
 142151 AGGAAAAAAC ACATTTAAAA GGAATGGAAG AAAAGGAGGA GCAACCTGAG
 142201 GGAAGACTTT CTTGTTTACC CCAGGACGAG GATGAAGAGA GGTGGCAAGG
 142251 CAGGGAAGAG GCAAGTTTAA TCATATTAC AAGCACAAA GTGAGGCAGG
 142301 TTTAATGATA TCCAGAGAAC AAAGGGGAAA GAAAATGGGA AGCCGAACAC
 142351 TTTGCAGAGG AGCCTGAAGG GTTTTAAATG TAGCAGGAAA AAGCTTCATT
 142401 GAGCTGAAAA AGATGAAATA AATATAGGAA AGAAATTAGA TTAATCAGAT
 142451 GCAAGAGGCT AAAGAAAAAT GTGATAAGGA GAAGAGGAAG AGGAAACTGC
 142501 TCCCATCTTT GAGTGCTTTC CTCCCCCTTG CCCATATACA TGTTTATGAT
 142551 TTAATTTCTT GCTAATCTCA TTGGGGCTCT GTTCTCTATT CCTTTTGTCA
 142601 TCTCTCTTGC CTGGTGGGAG CAAGCTACTT TATATTTCAA AAGCACTTAC
 142651 AGGAGAGAAT CAGAGTTATG GGAGAGAATG GGCTCTATGT CGCCTCTCAA
 142701 ACATGTTATA AAAATTATTT GAGGCATGTA GAGAGAGTGG CTTGCTTTGT
 142751 TTTTCAGACC CTAGCTGACA AGGCCTTTTA TTTTAGCAGG CATTTTCTGC
 142801 TTGGCTGAAT TTGGGCTTTG AAATCTTGAA GCACCATCGA ATGTGGAATC
 142851 ATGTTAGGCA CTGTTTCTCT AAAGAATCAC AGCTTAAAC AGTTGGATAC
 142901 CATAATACAT AAGACAGGCC AGGTCTGTCT TTGATCCTGT GGCATATACA
 142951 GTTTTGCTGG GGCTAAAGTT AGGTCTCTGT GAAAAGTACA TAGCAGATCA
 143001 GGTCTCCATA CGTGGAGAGG TAATGGGGAT CAAAGATCAG ACCATGTCTT
 143051 TCTCTTTCTA AGAGAAGCAA TTATAACAAT TCTATCTTTC TCTTCAAAGA
 143101 GAAACTCAGC AAATCAAAGT TAATTGAGAG TCCAAATACA TACTTATTTT
 143151 CAAATAATTT CTGAAGTGCA CGTAAAGACG TATTTTCATGT ACTCTCTGTT
 143201 CTTTATCTGT AAAGTTCTCT GTGTGCTCTC AGTGATCCTT TGAATCTGG
 143251 AACCAATTTT GCCTCCTGAA ACAATTATTA TGCGGTACAG AAAACTGACT
 143301 TCTTAAAAAC ACTTTATGAT GATATTCTCA CAAATACCGC ACTGCAGTGT
 143351 GGATGGCTTT CATTTTACTT ATTAAGATTA GTTTGAACTT TCTTTTAAAT
 143401 TTTCTTTTAT TAAAAAGACA CTCTTGGAGT AGTTTCCCAT GAAAACCATT
 143451 TATCAAGAAA AATAGATCAA CTCAGCACCA GCTCCAGGTT CAAACACAAA
 143501 TACACACACA CACACAAAAC TAAGGGAAAA AGGCAAAATG ATTTCTTGAA
 143551 ATACCTATTG ATTTTGGCTA AACCTTTTAT TTTTTTGAAG TGTGAATTCT
 143601 TTCATCATGT GGTCTCTTAG ATCTTTTCT TTTAGGAAAT TGGAAATCAT
 143651 AGAATCACAG AGCTTTAAAG CTAGAGGGGA ACTTGTAAGT CATTCAGGCT
 143701 AACACCTTTA ATTTTGGAGT GCAGAAACTG AGCAGGGCTG GAGTAGGGTG
 143751 TGGTAAGTGG AACACCATAG GTGCCAAATT GAAGAAGGCC CCCCTCAGCT
 143801 GTCAATGGAG TGAGTACCTT CAATTGGTAC CTTGGGCATC CCACCTGGCT
 143851 TATCTAGTCA TGATCCTGAA ACTGAGCCCA TGAAGTTAA ATGCTTTGTG
 143901 CAAGGTCACC TGTCTCATTT ATTCAGGGCT GTTTCTCTTA TCCCACCTTA
 143951 CCTCCTGAAG TTTGAAAACG TTTAAGGGAG AGGATTAGGT AGGCTTGTTT
 144001 CCAAGTAGTC TTCTAAATAA GAATATTTT TTCATTGTGT GTAGTGCTGT
 144051 TTCCTTCTAT CAGCATCTCA TGAATTGTTA ATTACCTTC ACAAGGAATC
 144101 TGATGAACCA ACTTTAGAGA ACCTGCCTGA GTCTCAGCCT ATTCCTTCCA
 144151 TGGACCTCCA CGAACTTGAA TCAATTGTAG AGGATGCCAC ATCTGACCTT
 144201 GGATACCATG GTATGTGTTT GCATTGATTT TCAGAAGGAT GCTCACAGCT
 144251 GCTGCACAGG TTGCTGTGGC CGACTTTGCA GTGGGTCTGT CTGGCCTCTG
 144301 GGAGAAGCTC TGAGTGTGTG CAGCTATTAT CAGTTTACCA GGGCTGGGCT
 144351 ATGACCAGGA TGAAAAGTAG AGAAGCCAAG GATTTTCTTG TCCTCTCTAT
 144401 CTTCTTTGCA ATAGTGAGGA TGAGTTGGAA ACTCACACCT GGTGAGAGAC
 144451 CTCTTCTGGG TGGGTTAAAC ACTGTTGTCG TTAAGCTGAC TTTGGAATTG
 144501 TGCAAACTCC GAATACTCTG GAGCACTGTG TCTTCCCTGT TCTGTAAATG
 144551 GTTCTTCCAG TTGTCATAAA TTTAAATTGA AGAAATGAAG CCAGGCTTTG
 144601 GAAAATCAGC TATGCAGATG TGCATTACCA GAAAATAAAA GTGCTCAGAG
 144651 CAGGAATACA AAGGGAGGCC TGTAGGATGG CTGACTTTGC TAGAGGACTT
 144701 CCTGATGCCT TTGCTACCTC AGACCACACA GCAAACGAGT ACACCTCCAG
 144751 TAAACCTCTA TTTTCACCTG GAATAAGACT TTAATTAGTG GTCCAAATGG
 144801 AGCAGATACA TTGCAATGGA GTAGGTACAT CATAAGCTAA TGGTTAAATG
 144851 CATGAGTTT GGAGTAAAAA AGTTGGCCCT ATCAGAGAAG GCCCTGACAA

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144901 CATAATCTCT CTAGGTCTCA GTTTTCTTAT CTATGAAATA AGAATAATAA
144951 TGCCTTCTTT CAGGGTTGTT GTGAATAGCA AATGAGACGT GGCATGTGGA
145001 GTGGTCTTAG TTCAGTGCCC AGCACACAGT AAGTGCTAAA GAAGGGGAAG
145051 CAGTTATGAC ACTTTGAGCA GAGGAGGGTT ATCAATATAG GTGTCTTCTC
145101 AGTCTTGTTT ACCAGTCTCC CCAGTGCCTA GAGCAAATTT CCAGGAACAT
145151 GCTAAGCACT CAATAAATAT TTCTTGAGTG AATTAATGAG TGGATGAATA
145201 CATGAGTGAA TGTTAGTCTG ATCCTCTGAG AAGCAGATGC TAAGACTAGA
145251 CTACAATTGC AACGTTACTT TTAGAGAAAA TGCTTATATA AAAGAAAATA
145301 GGAAAGAGCT AGAAAAAACC AGGGGAACCA TTAGACCACT GATTAAAGTC
145351 TTATTCCAAG TGAAAAAGAG GGTGTTGGTGA AGGTGAACCTA GATTCTCTCTG
145401 CAGTTAGAGG TAGCAAAGGC ATCAGGAAGT CCTCTAGCAA AGTCAGCCAT
145451 CCTACAGGCC TGCCCTTGTA TTCCTTCTGT GCTCCAGTAG TAGCCCATCG
145501 GGAGGCATCA TAGCCTCTGA GAGAATGCAG AGATGGATTT CAGAGCATAG
145551 CAGCTGGGAT CCTGGGCCAG TTGCACTCTG TGTTGTTGGA GGTCTGCAAG
145601 TGCATCCTTA TGCTGCACA ATGATGTAAC AGCTCTTTT GGCAGCAGTT
145651 TAGCTGTCTT CTCAAATTGA GAATTAAGGT AGTGAACCTT GGATTATCTT
145701 GTCTTCTCAC CAGATTTGCA CTTGAAGTCT TCTTACTAGA GCTGTTAAAG
145751 CCTGTGCTGC CTCTTTCAGC TGTATGGAGA CAAGCACCTG AAGCTCTTTA
145801 GATTGGCATT AGCCAGCTTT TAAAATGGTG CTATGGAAGC CATCTTGTA
145851 CAGACATTCT TGACAAACAA ATATATATTT CAGATGGATT TCTGTCTTAG
145901 GCCTTTTATG GTATTTGATA TATTATTTGT TAATTCCAA AAGTGAAATT
145951 TGGAAGTATA GAAATATCCC ATGGACTTCT CTTTCTAAAA ATAGAAATGT
146001 CAGAGCATT AGAACCAGAG CGACTCCATC TTGAATAAGA GCTGAGTAAA
146051 ATAAGCTGA GAACACTGG GCTGCATTCC CAGGAGGTTA AGGCATTCTT
146101 TGTCACAGGG TGAGACAGGA GACCAGCACA AGATACAGGT CACAAAGACC
146151 TTGCTGATAA AACAGGTTGT AGTAAAGAAG CCAGCCAAAG TCCACCAAC
146201 CCAAGATGGC AAAGAAAGTG ACCTCTGGTC ATCCTCATTG CTCATTATAT
146251 GTAAATATA ATGCATTAGC ATGCTAAAAG AACTCCAC CAGCACCGTG
146301 ACAGTTTACA CAGCCATGA TGACATGGGA AGTTACCTTA TATGGTCTAA
146351 AAGTAGGATG AATCCTCAGT TCTGGGAGTT TCCCACCCCT TTCCTGGAAA
146401 ACTCATGAAT AATCCACCTG TTGTTTAGCA TATAATCAAA AAACAACAT
146451 AAGTCTATTC AGTCGAGCAG CTCATGCCAC TGCTCTGCTC ATGGAGTAAT
146501 CACTCTTTTG TTTCTTTACT TTCTTAATAA ACTTGCCCTC ACTTTTCTCT
146551 ATGAACCTGC CCTGAATTAT TTCTTGTCG AGGTCCAAGA ACCCTCTCTT
146601 GGGGTCTGGA TCGGACCCCT TTCCAGTGAC AGAAAGCTGA GAAAGTTAGG
146651 CAATATGTAG CTCCAATAC CTGTGGCTTG TGCTCTGCTG GAGGACAGAG
146701 CCATCACTAT TTATGCATAG GAAGCCCCAG GACAGGATAT TGAATGGGTG
146751 GTCTAGGACC AAAAAGTCTG AGCTTCTTCC TGGTTTCAAA TAGGAAAAGT
146801 ACTTAATACT GCATTTCTATA GATGAGAAGC CAAAGACATT AAGTGGTTTG
146851 CTTAAGGACC ACAGAGTTCC TGCTTTCTAT CTAGTATACC ACCCTTTCCA
146901 TTTCCCCCAA AGTGTGTGTT TTCGGTGGTG GTAGGTAGAA GCAATTGACT
146951 TGTAAGAAAC AGAAAAACAT GTCAAAGGAA CTGGACTTTC AAAAGGCAGA
147001 GTCTTTGTCA TGTGTCTCTT TGCTAATTTT TGTGAACGT TATAGCCAAA
147051 TTACTCCCAA GCTAGCCTTG ACCACAGGTT CCAGCTACTA TGGAAAACCC
147101 AAGCTATGTC CTCTTACCT CTCATTTTGT CTTTGTGCTA GGAGGTTTCA
147151 GTATGGTAGA CAGTGTGTTG ATTTACCAGC CAGACTGGAA ATCGTCAAAT
147201 CTACTTCTTT GACCACTTTG TTCATGTTGT AATGTAACA CTATTTAGGC
147251 CTCTATGATA AACTATCAGA TTAGAAAAAA TACATAATAG TTTTAGGTGG
147301 ATCAGATGCC TTGTAAAATA CTTTAAACAT TTCCGTTATT TTTTCTGTC
147351 TGTAATTCAT TACCTTCTAA ATGCTATTCT TTCTTAATAT TAAATTCAAA
147401 AAATAAACTT AGAATATGA AAATACAGCC TTGATAGGCA TTTAGGTCAA
147451 TTCTATGTCT TTGCTATTGT GAATAGTGCT ATAATGAACC TAAAATAAAA
147501 GTAAAAAAG AAGAAAAAAA GAAAATGCAA CCTTTGGGTT TGACAAATCA
147551 TTAGAATGGT GGGCAACTAC CAGAAAATTA GTGATCACAG AGATTAAATTG
147601 AAGTGAAATT TTGAAACATG AGACTTAATT TGTTGATGAA CTCTGAAGTG
147651 GTTAATTATT TTTTGCCCTT TAGAAGATTA GACTGCAAA TTTTCAGCAC
147701 CAAAGGAAAT TTGTATTAT TTTTATTTG GCATGTATAT GTAAAAATAA
147751 ATTATACAGT CATCTTTTCA AAGCTCCTAC ACCAAACATT TAATTAGTCT
147801 TTGAGGTTGA ATTTGACAAT TCCCTCTGGC ATATGAGGAG TTAGTTGCAG
147851 AGAAGAAAGA CAGGATAAGA CTTATTATTT ACATTTGATA TGCATTAGTT
147901 GACTATAGCT GATTTAATCT AGTGAAAGTC ATGGGTAAAC ATTATAACCA
147951 AATGAGAAAG TACAACCTGA ATGTTAAAGA AATTATCCCC CATTTAACTT
148001 CTTATATGTA ATGCTAATGA TATCTTGAC ATTAATTTTT GCCAGGAAC

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148051 TCTTTTGTAC TCTAGCATTT GTTTTATATT TTATTTTTTA GCAACTCACA
148101 GCTGACTTTC AGAGCAGTGT TTTTTCCTAA GCTGGAATAG CCTGAGACTC
148151 TAGGGCCTGG GTCTACAAGG AGCATGACTC CCTACCCAC CATTGAGATG
148201 TGGAGAATGC AGTGAAGTAG GCCTTGGCTG CTTACCCACA TCCTGACCAG
148251 CTGTCCACCTC TTCATTTCCCT GTTCAGCCAC TCTTTAAGCA ATCACTGAGC
148301 CCAATGCTCA GAGATAGCTC AGACCTGTAG GTGGTTGTGC TTTGCTTGCC
148351 TGTAGGAGCC CCACATGCCC TTTACAGTTC TGGGCTGTCT ATGACTTACG
148401 ATATCACCTC TTCTTTTTTAA ATGTCCAAGT GGAAATAAAG TGATTTGAAC
148451 TTTGCTAATT AAATATGTTA TGTTTTTATT GTTTTAATTT TAAAAAGAAA
148501 ACCTCTACTC ACTCACTAAT TCCACTTTTA GATAGTTATC TGAAAGAAAA
148551 CCTTTACTCA CTCAGTAATT CCACTTTTAG ATAGTTATCT GAAATGCAT
148601 CTACAAGAAG ACCTGTTTAC AAATGTTTCT AGAAGTTTTA TTCATAAGTA
148651 CTCAAATAAA AAAACAAGTC AAGTGTCCAT CAATAGGTGA AAGGATAAGC
148701 AAATTTGTAG TTTGTTGATG GAATATATAC TCTTTGACAC TGAAAAGGAA
148751 CACACACCAA TATATACAAC AATATAGATA AATACTTTTA AAATTATGTG
148801 AAGTGAAAGA AGCCACACGT AAAAGAGTTC ATACTGAATG ATTCCATTTT
148851 TATGAGTTCT GGAACAGAA GTACTTATCT ATAGTAATAG AAATTAGGCC
148901 AGTGGTTGCC TGGGGTGGT AGTGGTGGGA GTTGAATCTA AAAGGGCACA
148951 TGGAAACCTT TTTTGTGAT AGAAAAGTTT GTAAGTTTGC TATCTTGATT
149001 GTGGTGATGG CTACCCAGAT GTGTAAATTT GTCAAAATC ATTGGACTCA
149051 ATACTTTAAA TTAGTGCAAT TTATTGTATA TAAATTATAC CTAAATAAAA
149101 TTGATAAATT AAAAAAATAT TAAAATATTC AGAAGAAACA ATGTAATGCT
149151 TAGCTGTGCT ATGTGTTAGC TAATGAATGG CCAAGAACGA TGTGAGTGAA
149201 GTCATGGAGA TAGAAAACAA TTGGGAAGAT CTTTGGGTAT CACCTGGGAC
149251 ACAAACCTCT TAATCCAGAA GGTGATCACA GGGTTTGAGA CTTTCTTCTA
149301 GCATCAGCTG AACAACGTTG TCTTCCACAA GGAGTGTTAA CAAAGCTTTG
149351 GGGTCCTTTC CAAGGAGGAA AGTTGGCTAT TTGGAGATAA GGGACAGGGA
149401 TCTTTTAGCT CCTCTCTCTT CAGTCTTTAT AGTTGGGGGT GGAGGTGCAC
149451 ACATCTGAGT AGCAGAGAGC CCTACCAGCA GATCTAAAAG GACCTAGTGC
149501 TCACATAAGG CACTGGAGCA TAATACAACA AAAGGTGATA GCTCAGACTC
149551 CAATGCCCAG CCAAGATGG AGAAGCTGGT GGAGCTGCCT GGCTCTTAG
149601 TTCTCAGAAA AGAAGACCAA ACAAATGCCA GGGGTACTT CCACATTCCT
149651 AGATCTTCCG TCACTTCTGG AGCTTTAGAT GTCTTCAAGA CTTGATTAT
149701 AAAGATAAAT TGATGGTGGT TTTATTTTCA AATTGTCACT TATTCCACTG
149751 AGTTACATTT GCATTTTATA ATAGTGTTTC CACCTGACTC TAATACTTGC
149801 TCTCAGGAAT AAAGATGCCT GCAGTTCTCA CTAATTTCTG AGTTCTAGAG
149851 GATAATTAGA ATGAATCTAA TACTGAATGA AGATGTGCTG ATTCTCCACC
149901 CTGAGGCATA TTTAATAATT TAGAGTGTTT CTTCTGTACG ACAAGTCACT
149951 AACTAAAATT TCAAAGATTA TATCCAATTT GAAAAATTAA GCTGGGTGCT
150001 GTCTAACACC TGCCCAACAA GCCACTTTGA CATGGCATCC TAAGCAAACG
150051 TAATATAAAT AGGGGGAATA TTAGTCCCAG AACGTCAGGT ATTCATGGGG
150101 AAAACCGACA CCCACGGACA TCTCAAATA AGTAAACCGC CTGGGAAGGC
150151 TATATGTCAT CCCATGGATC ATCACTTAGC TAAATATAAA TCATATAGTA
150201 GTTATTATAC TAAAGGTCAT GCTAATAAGG CAGAGGGCAT CCTTAAGTGG
150251 CCTTGCTTGG GTCATCATGG CTCAGATTTG GAACAAATCA ATTAAGCAGA
150301 AAATTAATAA AGTATCAATC ATAGCTTTAA GGTTGGATAG AAACAAATGT
150351 AATAGAGTAA AACCTTATAG AATGTGTGTT TCAGACAGTG CTCTGCATAT
150401 ACCACCGTAT GGTTTTCCCT TAGTTGATGA ATTTATTTTC CATGCATGCA
150451 GGTTCACAG TTGTGCTCCA TACTTATGTG CTTACCACTT GGAGAACATT
150501 GTTATGATGG CCAAAGAAAG CTAAGCTGCC ATATGAAAGG GAATCTTTCA
150551 GATCTGCCTT TGAGTCCCTGA CTTTCCCATG TGATTGCACT GTGATTTTAA
150601 GGAACATAAT TTCTGTATC TGCAGTTTTT AAATTTGTTT TTCATCAATA
150651 AAATGCAGTT AGTAATACCA ATCTGAAAAA TTTACTGTAT TAAGTGAGAC
150701 AACATGTATT TGATATAACA CATATGTTAA CATACAGTAA CATACATGTC
150751 TGTTACTGTA TTTTCGCTCA TCAGTGACAG GAGCTATTAC TACCAAAACA
150801 GATATAGAAT GGTAGATGG TGCTTATCAC CTCTTGCTA CTTGTAGAA
150851 TCGGACTTAT CTTTAAAGAC CCAGCTCAA GACGTCCTCC TTGATTGAC
150901 GTCAGAAGAT GTCTCCTACC AGGACTCTTT GACTAATCTC CCTGATCATT
150951 TTTCTCCTTT CTAGAACAT ATCCTATGCT GCCTTACAGT ACTGAGGTTG
151001 TGAACCTGAC TGTGCCCCTA GCGTAGGTTG AAAAAGTGGG ATGTCTTTGT
151051 TAAACAAGCT TTGGAAGACA CTTTAAAAAG AATAGTAAGT AGTTATATTA
151101 TAAAAATTAC AGACACAGGA TGAACAACAA CATACAAAAA ACCTATTCAA
151151 ATATCACTCA CGTGAATACA GTCATGTACT GCTTAATGAC AGGAATATGT

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151201 TCTGAGAAAT GTGTCATTAG GCAATTTTCAT CCTTAAGCAA ACATCAGAGA
151251 GTATACTTGC ACATACCTAG ATGTTTATAGC CTAATGCGCA TCTAGGCTCC
151301 ATGGTATAGC CTGTTGCTCC TGCACACAA ACCTGTACAG CATATTACTG
151351 TCCTGCATAT TGTAGGCAAT TGTAACACAG TGGTAAGTAT TTGTATATCT
151401 AAACACAGAA AATAGACAGT AAAAACACAA TATAAAGAT GGTACACCTG
151451 TATAGGGCAC TTATGAATGG AGCTTGCAGG ACTGGAAGTT GCCATGGGTG
151501 AGTCAGTGAG TGAGTGGTGA GTGAATGTGA AGGTCTAGGA TATTCACTAC
151551 TGTTTACTAC TGTAGACTTT ATATATAAGC ACTGTATATA TAACACTTAG
151601 GCTATACTAA ATTTATTTTGT AAAATATTTT TCTTCAACAG TAAATTAACC
151651 TCAGCTTACT GTAACTTTTT TACTTTTATAC AATTTAATTT TAAAACTTTT
151701 TGATTATTTT ATAACACTTG GCTTAAAACA CAAACACATT GTACAGCTGT
151751 ACAAGAATAT TTTCTTTTTT ATATCATTCT ATAAGCATTT TCTATTTTTA
151801 ACATTAATTC TTTTAACTTT TGAATTCTTT GTTAAAAACG AAGTCACGAA
151851 CACACATATT AGCCTAGGCC TTCTGCCTTT CACCTCCATA TCTCGTCCCA
151901 CTGGGAGATC TCCATGGACA ATAACATGCA GGGAGCTGTC ACCTCCTATG
151951 ATAACAATGC CTTCTCTGG AATATCTCCT GAAGGTTTTA CAGTTAACAT
152001 TTTTAAATA GTAGTAAGGA GTATACTATA AAATAATGAT AATAGTATAG
152051 TATAGTAAAT ATGTAAAGTA GTAACATAAT TATGATTATA TTGTACATGC
152101 TTGTATGCCC TATACTTTTA TATGACTGAC AGTGCAGTAT GTGTGTTTAC
152151 ACTGCGTCAC TAGGTAATAG GAATTTTTTA GTTTAATTAT TATCTTATGG
152201 GACCACAACCT GTATATGTGG TTCGTTGTTG ACTGATACGT CATTATGCAG
152251 TGCATGACTG TACTTGTACT TTAAGATTGT TATGGCTTGA ATGCTGCTC
152301 TCAAAACTC AGTTGTTGGC AGTGTGATAG TATTAAGAGG TGGGGTCATT
152351 AAGAGGCAAT TCACTCATGA GGACTCCCTC CTTATGAATG GGATTAAAGTG
152401 CCCTTATCAA AGGGCTTGAT GGAGTGAGTT CATCCCTCTT GTTCTTCTAC
152451 CTTCCACCAT GTGAGGACAC AGTGTTCCTT CACTGCAGAG GATCAAGCAA
152501 TAATACGCCA TGTTGGCAGC AGGGAGCAGC CTTACCACA CAACCGAACC
152551 TGCTGTTGCC TTGATCTTGG ACTTCCCAGC CTCCAGGACT GTGAGAAATA
152601 AATTTATGTT CTTTATAAAAT TACCCAGTCC GTGGTATTTT GTGACAATAG
152651 CATTAGTAGG CTAAGAAAAG GACAGAACTT GTACTGACAG TTTCTTATGC
152701 AGATTTCAAG GAGAGCTTTA TCTGAAAAAT ATGAGCTGGA AGTAAGGAGT
152751 TGCACAACCTC ATAGTCATGA CAAGGACACT TAGTCTGTAT GCATGTGAGG
152801 AGTTTAAATA ATTGTATTTC ATGAAATTC AGAGTGGGAA AAAAGCAGTA
152851 GCTCTAAATA TTTTATATAA TATGGGAACA TAAGTTTAAA TTTGTACTA
152901 AATTAACAAT GTATTATAAA TAGAAATTTA TCTGTTTGAC TTATACTCCT
152951 AATAGTTCAA CATTCAAGTT TGATATTCTT ATTGGAATAA GAGTCAAGTC
153001 TTAAATTTT CTAGGTTTCC TTACAATTAG ACATATACCA TATTTTCATCC
153051 AGTCTAAAAT ACACAGTTTT GCACATTTGA ACACCTCTGA AATGGAGATG
153101 CATCTTAAAA TAGACGGCAT ATCATAATTT CATGGACAGT AGTTTTATTA
153151 ATGATATATA ATATAATGAT TCATTTCAA ATTGATGGTG TCTTGATTC
153201 TGTAAGTAC AATATTATAT TTCTCAATTG TATTGGTCAG GCTAGGCTAC
153251 ACTTGCTGCT GTAACAAATA CACCTATTGA CCTAGGTAAC AAGGGATTAA
153301 TAGCTCATTC CTATAAAGTC CTATGTGGGA AAGAATCTCT CAGGGCAGAT
153351 ATTCCCTGTG CAGTGACTAA GGACCAAGGC TTCTTCTATT TTATACCACC
153401 ACCATCTCAG CATTTGGCTT TCAATGTTCC CACAAGCAGC AGAAGTAGAT
153451 TGGAAGTAGC ACACCCACAC ATAAATTCTT CAGCTTGAAA ATTACTTCCT
153501 TGCAATTTCA TTGACTAAAA CTAGTCATGT GGCCCAACTT TCCACAAAGG
153551 GCCTGGGAAG TACAGTCTTT CCTGTGCCCC AGGAGGAGAG AATCAGATAT
153601 GGGTGAACAC TACTGATCTT ACCACAACAG TCTATCTTAG TTACCTGACT
153651 CTGAAATTAG GGTAATGAAC AAAACCCAAA TATATAATTG AATCATGTGA
153701 AATTTATGTT CCAATTAGAT AGAGAAACAA ATACCTTTAT TCTTTTACAA
153751 AATAATATAT TGACTTGTAC CAAAATGAAC TATTATAAAA TAGGCTTATT
153801 TCTTCATATT CTATCATAAA ACTGATGACA AAAACAATAT TTTATTTAGT
153851 TTTAAATTTT CTGATTA AAC TAAAAAGCA AAATATAATT AAAAAAGGAG
153901 TGAGCTATAA ATCCCTTGTT ACCTAGGTCA GCAGGCGTAT TTGTTACAGC
153951 AGCAAGTGTA GCCTAGCCTG ACCAATACAA TTGAGAAATA TCATATTGTA
154001 CTTTACAGAA TCAAAGACAC CATCAATTTT GAGATGAATC ATTATATTAT
154051 ATATCATTA TAAAACTACT GTCCATGAAA TTATGATATG CCGTCTATTT
154101 TAAGATGCAT CTCCATTCA GAGGTGTCA AATGTGCAAT ATATGTGAGG
154151 CATTTATTAA GTTGGTTCTT GAATCTCTTA ATTCAGTCTA TAATATGTAA
154201 AATTCTATAT TGGGGCCATA TGAAGCCTTG CTAAACTGC TGGAGGACAG
154251 GGTATATATT GTAAGGCCAA TATTTACAGT CTTTCTTAGC TCCTCATTTT
154301 TGCCAGCTAA CGAAAGTTAC TATTTGTAGGA AGAAGAATGG GCTCCAAAGA

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154351	TGTCCTTAA	ATCCTGATGT	CCTAAGGCTG	TCCTAATCCT	TGGAACCTGT
154401	GAATATGTTA	AGTTACATGA	CAGAGGGGAA	TGAATTAAGG	TTACAGATGG
154451	AACTAAGGTT	GCTAATCAGA	TAGGGAGATT	ATTCTGATTA	TTTGGATGCT
154501	CTCAGTGCCA	CAAGGGTTCT	TAGAAGTAGA	AGAGGGAGGC	AGACAGGGGA
154551	GAACCAGAGA	GATGGCAGTG	AGACAAGGAA	TTGGCCCCAC	ATTGCTAGCT
154601	TTGAAGATGG	AGGAAGGAG	CAATGAGCCA	AGGAAGACAG	GTGACCTTTA
154651	GAAGCTAGAA	AAGGGAAGGA	AATGTATTCT	TCCTCCTTGG	ATCCCCCAGA
154701	AAGGAAGGCA	CCCTGCCAAC	AAGTGTATCT	TAGCTTGGTG	AGATCCATGT
154751	CAGACTTCTG	ATCTACAGAA	CTAAAAGATA	ACTTTGTGTT	GGCTGGGCAC
154801	AATGGCTCAC	CGCTGTAATC	CCAGCACTTT	GGGAGGCCAA	GGCGGGCAGA
154851	TCACAAGGTC	AGGATAGTGA	GACCATCCTG	GCTAACACGA	TGAAACCCCA
154901	TCTTTACTAA	AAATACAAAA	AATTAGCAGG	GTGTGCTGGC	GGCGCGCTGT
154951	AGTCCCAGCT	ACTTGGGAGG	CTGAGGCAGG	AGAATTGGCGT	GAACCTCAGGA
155001	GGCAGAACTT	GCAGTGAGCT	GAGATCGCAC	CACTGCACCT	CAGCCTGGGC
155051	GACAGAGCGA	GACTCCGCCT	CAAAAAAAAAA	AAAAAAAAAA	AAAGAAAAGA
155101	TAACTTTGTG	TTATGTTAA	TCACAAAATT	TGTGGTCATT	TGTCACAGTA
155151	GACATAGAAA	ACTAATACAG	CTATATTGGA	TTATGTCTGC	TTCCAGTCAA
155201	ATAACCACCA	TCTTTGATT	ATATGCTAGT	TTTTTTTGT	GAAGTGATTG
155251	AAATAGCTTG	CTTTGGTGTT	TAGGCCAGAC	TTTAATTTAG	AAATTTATGA
155301	TAGGCATTTT	AATTAATATT	CTTTGATTTT	TATAAAGGAA	CTTCCTATTT
155351	TGTTTTGTGA	CATTAAGGGC	CACCTCAGTA	CCAGATACTA	ATTGTTGTAA
155401	GTGAGAGATC	CCCTGAAGAT	ACCTGTCAAA	CTCTTTTCAT	TTTTGAAGTG
155451	AAATAGCACA	TCTCCAGAAA	AAAAAAGAAA	AAAAAAGAAA	AGAACCTTTC
155501	TGGCAAGTAA	CTATGGCAGC	AAAACCTAAT	ATCTTTTTCA	CTCATCAGTA
155551	ACAACATTTT	CAACTGACTT	CTCTTTTTCT	CTTGCTTCTA	AAAAACTCAA
155601	AAAAGGAAAA	ATAGGAAACC	ACTAAAAAGA	TCCAAAATGA	TCGTTGCATT
155651	TCATAATAGT	GTGTATAAGT	GTGAGCAGTA	TAATGAATTT	GACTTATTCT
155701	CTCCTTTATC	GTCAATTTTC	CACCTCTGTC	TTCAGGGAAG	TATGTGAAGT
155751	CGCCAGCATT	TATAACTCAC	CAGGTAGACT	TGCTCTGAT	CTTCGAGGAT
155801	GGGTTTCTTG	CAAACCCATC	TCATTGTTCT	GTGCACTGGC	ATCCACATGT
155851	GGGGATATAT	TTATATGAAT	GTGTAGTATA	AACATACCTA	CCTACCTTCA
155901	CAGCTAACCT	TGATGATCCT	TTCTTGCTAA	CCCCTTCATT	TGTCTGAATT
155951	TTTTTCTCG	CCAAGGCTCG	TTTAAATTAT	TAATGGGAGT	TCTTCTTACT
156001	ATTGAAGATT	AGCTGGCAAA	GTAAATATTT	GTAGGTGAGT	TTAAGATGCC
156051	TGCAGTCTTT	CATTGCATGC	ATTGGCGCCT	GGGCATTTTG	GGTTGTAGAA
156101	ATCAAAGAGA	CTTTACCCCT	TTTTATATCT	CAGATTGATT	TTCTCTTTTG
156151	ACTCTAGAAG	AAATGAAAAA	ACTCAACCCT	TCTTCCAGCT	CAATTCCACA
156201	TGACCTGTTT	TCTTGGCTTC	AAATAGCATA	AAGCTAAATT	AACCTGCCTC
156251	TTTTCTTCCA	CCCTCTACCT	CCCCAAATC	CATTTTAAAG	TATAATAATT
156301	TGACAAATTG	CATAAGCAGT	TGCTTATGAG	CATTATGGTG	CTAGTCAAA
156351	AAATTTAGCC	TCCTTTTATT	TGTGAGATTA	TACATTTTGA	ACAGGACCAA
156401	CCTTTGTGTG	TTTTTGACAT	CCCAAATGAA	AAATTTTAGT	GGTATACTTG
156451	AGAGGGCTGA	AAGGTGACTA	CCGATTAAAG	AAGAGCAGAT	TTTAGAAAAA
156501	ATTTTAAAT	TTTTCCCTTG	GCCCCTTTAG	CTTGTGCCCA	TGTTTGAGGA
156551	GAGTAGGTCA	TGTCCTGAC	TATGCTAAC	TGTTACAGG	CCAACCTCTT
156601	TTTTTAAAT	TAAATAAAAT	TTAAAGTTCT	GGGATATGTG	TGCAGGATGT
156651	GCAGGTTTGT	TACATAAGTA	AACATGTGCC	ATGGTGTTT	ATGGCACCTG
156701	TCAACCCATC	ACCTGGGTAT	TCAACCCCAT	ATGCATTAGC	TATTTATCCT
156751	GATTCTCTCC	CTCCCCCTGC	CCCCATGACA	GGCCCCAGTG	TGTGTTTTTC
156801	CCCTCCCTGT	TGTCATGTGT	TCTCATTTGCT	CAGCTCCAGG	TTATAAGTGA
156851	GAACATGTGG	TGTTTGGTTT	TCTGTTCCCT	GTGTTAGTTT	CTGAGGATA
156901	ATGGCTTCCA	GCTCCATCTA	TGTCCCTGCA	AAGGACATGA	CCTCATTTCT
156951	TTTTATGGCT	GCATAGTATT	CCATGGTGTA	TATGTATCAC	ATTTTCTTTA
157001	TCCAGTCTAT	CACTGATGGA	CATTTGGGTT	GATTCCATGT	CTTTGCTATT
157051	GTGAATTAGT	TCGCAATAAA	CATACATGTG	CATGTACTCT	TATAACAGAA
157101	TGATTATATAT	CTTTTGGGT	ATATACTGGT	AATGGGATTG	CTGGGTCAAA
157151	TGGTATTTCT	GGTTCTAGGC	CTTTGAGGAA	TACCACACT	GTCTCCACA
157201	ATGGTTGTAC	TAATTTGTAT	TCCCACCAAC	AGTGTAAGAA	CATTCCTATT
157251	TCCCCACAGC	CTTGCCAGCA	TCTGTTGTTT	CTCGACTTTT	TATAATCGCA
157301	GAGGCCATCT	TCTTACCTGT	CCCTAGGAA	TCCACGATTC	TTTGGTGCCA
157351	TCATGATGTC	ATTCGATGCC	TGCCCTCTTA	CTTTTGTCTC	TGAGTAAATC
157401	ATATTCTCTAT	AATCATTGCT	CTCTCAGCTC	AAAATTCAT	CCAGCAGGCA
157451	TCATGGTAAA	AACATGTATT	TTCCATTATA	TTGGCAATAT	TCAATGATTC

157501 AAAAATGTCA GAGGAAGTAC TCACAGTATA GGAATGTATC ATACCACAGC
157551 AACTTAGAGT CAATAAACTA GTTCTTTGTT ACTCAAAGTG TGACCTGTGG
157601 ATTACAATCA GTAGCATCCT GAGAAATTTGT TAGAAATGCA GAATCTCGGA
157651 CTCACCTTCA ACTTCCCTAG TCAGAAGATG CATTTTAAAC AACATCTCAG
157701 TGATTCTGAG GCACATTAAA GTTTGAAAAG GACTGAGCTA GACTCTAAAC
157751 CCAAAAGAGT ATGGACCATG TCCGTCTTGC TCACCATTTT ATTCCTACCT
157801 ACTTATACAG TAACTAGTTC AGAGTTGGTG TTGCTAAGTA TTTGCTGAAT
157851 GAATGACTAA ACCTAGGGAA AAATCCTATT AAGAACACGA ATGCTTTTTA
157901 TCTTAAACAG CATACATTTT ACGCAGAGAT TAATTCAGTT GGGGAAGCAG
157951 TAGAATAACA AGTTGCCAGG AGAGGATAAG TTGTGTGCAT CACTGTTTAT
158001 CTATAAAATT TTTCTCTTTC TTCTTAAAGG AGACTGTAAT CTAATTTTAC
158051 TAGACGAATA CTGGAATAAT GAAAAATAAA GGAATTTCTG AAATAAGGAA
158101 ATAGAATCCT CCATGCATAC TTTTGTAGTC CCCTAGCTGT TGCATCTTTC
158151 TTTATGGATA CCCCTACATT TAAATAATAT TTTAGGTAAG TCACCAACAG
158201 TTTAAAAATA TGGTTTGTTC TTCTGCAGTA ACTATAGAAT AGTATTTAAT
158251 TTAATAGAAA TGGCCAGCCA TCCTTTAATA GAAGGGTCAC CAGAGTAATC
158301 CTCCCAAGGC TCCTTGGGAT GTGTCTTGCC TAAGAACTAC TGGGAATTAA
158351 AGGGTTGTAT GAAGTATAGT CTGTATTACA GGTGCACACT TGTTCCTTTT
158401 GTTTGTATCA GTTAGTCTCC CCATGGAATT CATGACAGCA CTTTCCATAT
158451 GACAGAACGT TAGCAAATAT TGGTTGAATC ACTATTTTTT AATAACAGGC
158501 CTAGTAGGGC CATTACGTGA AAATATTTTT TTAGTGGTTG TGTGACTGG
158551 ATCCTCTGGA AAGCAGATAA TAGGACAGAG TTAGAAGTAT AAGAGCTGTA
158601 ATAGGGTAAA GTCTGTTGAA AGAAAAGTGA TAGAAAGATT GGGAGTAGGC
158651 AGAGAACCCT CAGACTATGA TGCAGGTCTG ACACCTGTGA AAGGCAAGCA
158701 GGAAGGAAAA CAGACTGGGC AAGAAGAGTC TCAGACAGCA CTGGAGCTCT
158751 GAGACAGCCT CATTCAGCCC AATGGGTGGC TTTGAACCAG CTTTACTGG
158801 TTCAAAGATT TCCCATAGAG GAATCCCATTA TTGGACAGAA ATGCTATTCC
158851 CTACTGTCCC CCACCAACTC AAATGCTCAA CTGATCCCCA ATATCTTACA
158901 GTTTGAGGCG TGGGTTTCC TGCATGCTTG GCAGTAATC ATCAAATTCT
158951 TGAAGACCTT GAGAAGCAGA CTTCCACAGA TGATTCATAG ATAGTGGTTC
159001 CTTTGAGCCA TTCCATATGC TTGAGATGGT AAAAGAGTAT TTTGATAACA
159051 GTCTATAATT CAGTAGTTTT CTCTGACTTA AAGTAACTGT ACCTCCAATA
159101 TGTTCAAAGT AAGAATGACT AAAATTTCTG GAATATTCGT ACACATTTC
159151 GAAAAATCCA CTAACTGAT GGCCACTGGT ATACTTTAAA GAGATTTGGG
159201 GCCAGACTTT GTCTTTTCTT TACTTATGGC ATTTACCAAC TATGTGGACC
159251 TGGACAAAAA ATTTAATATT CCCAAGCCTC AGTTTTCTCA TCTGTATAAT
159301 GGAATAATC ACACCCATTT TGCAGGGGTT TAGTGAGGAA CAAATAAGAT
159351 GATACACAAA GCTGAGCACA GCACGTGAAA CAGAAAGTAC ACAGCAATTT
159401 TTTACTAAAG GAGTACAATC AGTGTCAAAG CAAGTTGCAA TATTTTCTCA
159451 AGTTTCACAT AAAACCTTTG AAATGATGAT CAATAGTATT TCAACTTTAA
159501 TCACCAGGAA ACCTTATAAT TTTAGCCCAT AAACACCTTC ACTATATGAA
159551 TTAAGAATAA TTAGAATAC AGTATTTTTA TTTGCTATTG TTTTGGCTT
159601 TATGAAATAT ATAAATCAC TTTGGCTGAT TAGTTCTACA TATCAAATGA
159651 TGGTCTTAAT GATGCCTATC TGGGCCAGTG AACTTAGTAC CAAAATAAAT
159701 TATCATCTTT GTCAGGTCTG TAGACAGCCC CCAGAATTAG AGCCAAGGCC
159751 CTACAAATGT GTATCAAGAT AATGTAGGGA GAGTGCAGCA AACTGTTTAT
159801 GACCTAATTC ACGCCAAGGA AGGCATTTCT AAATGGGCGC CCTCTGTGTT
159851 GTGCATCAGG GATACCACTG TTATATCCAG AAGTAGAACC TGGGACAAAG
159901 TTCTTTCCCT AGAAGACGCT CCTTTGCCAG CCGTTTAGAG CCCATACACT
159951 AGCAGTTAAA ATTTCCATCT ATTTTCTCTA AGTACATTAT GAGTGTAAT
160001 ATATTTTGTG CTAAGGAGCA TAAGAAGGAC CAGAATATGT ATCCATTTTT
160051 CCATTGTAGT CTCATTTGAG ATTTAGGCCA AACTCAATAG ATTAATAAT
160101 AGAGCTTGGT AGGCATAACC ATGACTTTTG CAATGGAAT ATTTAGGTAA
160151 TACTTGTGGC TTATTTTAAAT GTAATCCTCT GCTTTGGGTT TATAATAAAA
160201 TCAGGTAATT TTCTGTATC ATAGGGATT GTTATCCACT CTACCTCAA
160251 GGCTGTATGT ATAAGTGAAC TCCTGGTTTT AGACAAATTG CTTTGAATTA
160301 CTTCCATTAT TTTCTCCTTT AGTTGGAATA TGAAGAAAT TCAGCAGGCC
160351 TTTTTTTCAT AGCATAGATT TTGAAGACAA GGAAGTCT GTGCTTGT
160401 CTGGTGCTGT GCGTTTGAGG AGCACACACT GAAAGCAATT TGTCTAGAAG
160451 TATGCTGTCT GATTTGAAAT CCACTAGCCA CATGTGGTTA CTTTAAATTA
160501 ATTAAGTTA AATACAATTA AAAATCTGTT CCTCAGTCAC ATTAGTCACA
160551 TTTCAAGTGC TTAATAATTA CACGTGGTTA GTGGATACTG TGTGGACAG
160601 CATACTTCTA GAACATTGCA TCATCGAAGA AAGTCTTATT GGGCAGCACT

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160651 GTTCCAGAGT AAAATCTAAG TATCTAAATT TTTAAAAAGC TCCACAGGTG
 160701 ATTCTGGTGG GAAACCTGTT TCAAAAATCA CTATAACTAC TATTAAATGT
 160751 TGATCTTATA TTTCAACTTA AAACCTACAA AAGATTCTAT TTCCCTCATT
 160801 TTCCAGTTCT TCCTTGGAAAT GAGGGATTGG TTTACTGAAA TTCTCAAATA
 160851 CTGACAACAT GTGTCAATAA CTCTTCTCCT TTTTCATAGA GAAGGACACT
 160901 GAAGTGCAAA GAGGTAAAAG ATGAAGGAGA TATTGTTGTA CTGGACCCAG
 160951 CCCCATCTGC AATTTTTTTT CAGAGGTTTC TCTTCTATGC TGTGACAGCT
 161001 TTCCACTAAA TAGAAGAAAT GAGTACAGGT GTTTTGGTTG AAGTCCTACT
 161051 TCCAGAGCAT ATTAGGACCA AACACTGTGA TACTATTATG CTGCCTCAGA
 161101 CCATAGTGTA GCAAGTAAAA GCCCCAAAAG TCACACAGAT TGAATAATAA
 161151 GTATTTTCAGA GTTTTACCTAA TAATAATTCC TTCCACAGT GAAAGACAAA
 161201 GCTTACATTT ATTAATAACC AGTTGATCAT GTTAATGAGT CAGAAGTGT
 161251 CAAACCAGCT GATTTTACAA GACTGAAGAG AAAATACAAT TTAATTAGAG
 161301 ATGGTCAGGT AAAATAGCTA ACAGTCATTA GTGACATCTA GGAGCAAATA
 161351 AACAAACCTT GAGTTAATGA AGGGTACACA GGCAGATAGA GGCTTGACAC
 161401 TGGGACTAGA GCTGGCCTGG AGTGCCATAG TGTGAGTGTG TCTCTTGTGT
 161451 GTAGTTGTGT AATGAGCTGT TTCTTACATA GCCTGGTACA TAGAAGTGCA
 161501 TTTTGTGAGT TCATGTCTCC AAAGTGCTTG TGTGGCTTAA ACAATGTCCA
 161551 TTTATTTTGG CTCCTTTGTG ATTAAATTTT ATGATTTTAA GGTGATAAGA
 161601 AAATAGTCAG TGGTATTCTT TTTTCTCTTA AAAGATTAT TATTAGATTG
 161651 GTGCAAAAGC AATTTCAATT TTTGCCATTG AAAGTAATGG CAAAAACCGC
 161701 AATTACTTTT GCACTAACCT AGTATAATAA ACTTTATTTT CTTAAGTGGC
 161751 AGTTTGCCTC TTTGAGCTTC AAAAGTGGTT ATCTTATGTG GCTCTGTAGA
 161801 AATCTCTTCA AATTTACCTG TTTTCTTCTT TCTGGGCTTC CTTTATAGAA
 161851 TTCTGGAGTC CCTTCTTTTA GGAATTTTAC ATTGCTGTTA TCCTTGTACT
 161901 TTGTAAGTAC CATTATATCC TTGCACCTTT CAATCCTAAT TGATTTTCCT
 161951 GCTCCTAGGC AATTGCCTTT CATATCCTTT AGAAAAAGCA TTCCCTGAGC
 162001 ACCACTTTTA TCTTTCATCA ACAGTCAATC TTCAACAAAT ATTTATCAGG
 162051 CATCCATTCT CTGAGAAAAA GGAATCCAG TAGTGAGCAA GACAGACTTG
 162101 GTTCTGCCCT ATAGAGCCTA CAGTGAAGTT TTCTCTACC CCAAAGTGT
 162151 TCATTACTTC CTGTAGTGAG TTGAATTATG ACCCCCCAAA GATATGTCTG
 162201 CTTGGAACCT CAGAAGGTGA CCTTATTTGG AATAAAGATC TTTGCAGATA
 162251 AAATTAAGGT AAGGATCTTC GGGGAGATC ACCCTGGATT ACAGTGGGCC
 162301 CTGAATCCAG TGACAAGTCC TCATCAGAGA AGAGAAAATA AAACAGATAG
 162351 AGAGATATAT TAATACAAAG AAGATGATGT GAAGAGATTG TAGTAATGCA
 162401 CCTACAAAGC AAGGAAGACC AAGGATTGCC AACAGCCACC AGAAGCTAGG
 162451 AAGGAGGGGA GGCCTGGAAC AGATTCTTCC TCAGAGCTTC CAGAAGGAAC
 162501 CAACCTGCC AGTGCCCTGA TTTTGGACTT CTGACCTCCA GAATTGTGAG
 162551 AGAATAAATT TCTGTGTTT TAAGTACCA AATTGTGGG ACTTCATTAC
 162601 AGCAGGCCTA GGAACATAA ACACTTCTTG TCTTAGTCTG TTCAGGCTGT
 162651 TGTAACAAAA TACCATAGAC TAGGTGGCTT ATAAACAACA GAAATTTATT
 162701 TATTACCATT TTGGAGACTG GGAAATCCAA CATCAATGCA TTGGCAGATT
 162751 CAGTGTCTGG CAAGGGCCTA TTTTCTGGTT CATAGATGAT GACTTCTCAC
 162801 TGCATCTTTT ATAAGGGTAC TAATCCCATT CATGAAGCCT CCATTCTCAC
 162851 AATCTCATCA CCCCTCAAAG GCTCCAATT CTAATATCAT CACATTGGTG
 162901 ATTACGTTTC AACATATCAA TTTAGGGGAG ACACAAACAT TAAACCCAAA
 162951 CCATTTCTCT TATTCACCTT AAAACATAA ACCCTTTTAT CTCATTTTGT
 163001 TATAGCAGTC AAGAGAACAG GTTATTTAGG CAGACTGTCT GGGTTATAAT
 163051 TCTATCTTTG CCAATCACTA TGGCATTTGG GTCAAATGCC ATAAACCTCT
 163101 GTGCCTCAGT TTCTTCATCT GTTAGATGGA AATCACAATG ATATTGATGT
 163151 CATAGCATTA CTGTGAGGAA TTTAAAAGCA CTTAGAGAAG TTGCTGGAAT
 163201 GTAGTGATTA ATAATTATTT TACTACTATT TTACTAATTT TCATTATTGT
 163251 TAAAGGCTTA CAGAATATTT CACAACCAGT CCAACAGAA ATGTTTTTTC
 163301 TAATTGCTCA TTACCGTAA GACTTTATAT CTCTACTATT TTTAATCACA
 163351 TATAGCCTTG TGAATTGATT TAACCTTACA CATCGATGTA TAGATCCATA
 163401 AATATTTTACT GAGAACTGC TAAGTTCAAG GTATTTTGTCT AGTCATTTTG
 163451 GGAACTTGA GCTAGAAATT ATTTTTTTAA AGAAGCAAAA ATTCTTTAGC
 163501 AGCAAATGAA CTTATTCATG CTCTCAAAAA CTACTGTTCT AGCACTCACA
 163551 TGTGCCCCGG ACTGTCCTGT GCACTGAGGA TTCAGGAGTG AACAAAGCAG
 163601 ACACAAATCC CTGCCTCCAT GGGAGCCTCC ATTCAACTGG GGGCGATGGA
 163651 AAATAAACAG ACAAAATATG TGGAGGTTGG GCTGGTGGGA GGTATTTGGA
 163701 TCATAGAGGC AGATCCCTCA TGAATGGCTT AATGTCATCC CTAAGTAAT
 163751 GAGTGATTTT TCACTTGATG AGTTCAGATG ATATCTGGTT GTTTAAAAGA

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163801 GTGTAGCTTC TTCCCCCTTC TTGTTCCCTT CTGTTGCTTC CTGTCTCACC
163851 ATGTGACACC CACTCCCCCT TCACCTTCTG CTATGATTTT AAGCTTCCTG
163901 AGGCCCTCAC CAGAAGTGGA CGCTGGCACA ACACTTGCTG TACAGCCTGC
163951 AGAACCCCTCA GCCAAAATAA ACCTCTTTTC TTTATAAATT ACCCATCCTC
164001 AGGTATTCTT TATAATTATA GTGATACAAG TGGACTAATA CGCTATGGTA
164051 AAAAGTTT TAG TGGGGCATTG AATCTCTTAA TCCAGGGTAA AATTAGAAGA
164101 TAATCTTCCA ATTCTGAAGA CTAAAAGATC TCTAGAAATT ATGATTTCAG
164151 AACAAAATAT AATTATTGTA AATATTACAA CATTTAACAA CATAAAAATA
164201 ACATGTCACC AAAATTGGGA GGTATGGAAA GGTGAGTTGG AAAAAAGCCT
164251 TAGTGACAG ACTTCTTTAA CAGCAGGAAA TCAATTAATA GTATCTAAAA
164301 GTGAAACACA TAGCCAATAA AAGATACAAT GACTGCAGCC TCTTCACATT
164351 GTTATAATTA TTATTCTTAT CCTTACAGAG GTATGTTATT AACTAATATC
164401 TCTTGTGGTA AAGGAACAAT TATCTAAAGT TCAGCAACTA CTCAGTTTCA
164451 GTTTTTTCTT TGATAATTTC AAAAAATACA TTTAATACCT AGAAAAAATA
164501 ATACTGTATT GATTTCTCAT TGCCGCTGTA ACAAATAATC ACAAACCTAG
164551 TGGCTTAAGC AATGCAAATG GACTCTCTTA CAGCTCTGGA GATTAAAAGT
164601 CCAAGATTGG TCTCACTGGG CTAAAATCAA GATGTCAC TGCCCTGCATT
164651 CTTCTGGAGG CTCTAGTGAC CTTGCTGTTT CCAGCTCATA GAGCTCCTGC
164701 ATTCCTGGTT TGTGCCCTCC TTTCTCTATT TTCAAAGCTA GCAACACTGG
164751 ACCAAGCCCT TCTGATGCTG CCATCTCTCT GGTTCCTCCT CTTCTGTGCT
164801 GTGCCCTCTT CTATTTTAA GGACTCTTAT AATTATATTG GGCCCAACCA
164851 GGTAAATCCAG GATGATCTCC CTATTTTAA GGCAGCTAAT TAACAATCTT
164901 AATTCTATCA ATCTTAACTC TGCTTTGCCA TGTAAGATAA CATATTCAAA
164951 AACTCTGGGG ATTAGGATGT GAACATTGTT TGGGGGTTAT TATTCTGCCT
165001 ACTACAAATA CTCTGAATTC TGATAAAAAA AATACAATGT TTAAGAGAG
165051 AGTTAAGGAC AGTCTTTTCA ACAAATGATA TTAGGAAGAC TGGATATCTC
165101 ATGCAAAAGA ATAAAGCTAG ACCCTTACCT CATACAAAAA ATTAATAATTA
165151 AAATAGATCA AAAACCTAAA ACTATAAAAA CACATAGAAG AAAGCTCATG
165201 ACATTGGATA TGACAGTAAT TTATTGATAT GACACAAAAA GTACCAGCAA
165251 CAAAAGAAAA CATAAACATG GATTTTATCA AAATGAGAAA TTTTATGTA
165301 TCAAAGAACA GTATCAACAT AGTAAAGTGG CAACCCACAG AACGGGAGAG
165351 AATATTTGCA AAGCACATAT CCAATAAGGG ATTAATATCC AGAATATATA
165401 AAGAACTCTT GAAAACAACA ACAAATCAAA CAGCCCAATT AAAAAATGGA
165451 CAAAAGATTT GAATAGAAAT TTCTCCAAAG AAGATATACA GATGGCCAAT
165501 AAGCACATAA AATGATGCTC CATATCACTA ATCACTAGGA AAATGCAATT
165551 AAAAATCACA ATGAGATACG ACTTTACACC CATTAGAATG GCAACTATCA
165601 AAAAACAAAA TAACAAATGT TGGCCAGCAT GTGGTGAAAT TGGAAACCTT
165651 ATGCACTGCT GGTGGGAATG TTAAGATGAG GTAGCTGCTG TATAAACACAG
165701 TATGGTGATT CGTCAAAAAA TTAAACATGG AATTACCATA TTTCCAGCA
165751 GTTCCACATG TGATTATATA CCCTCCAAAA TTGAAAGCAG GGTCTCAAG
165801 AGATATTTGT ATACCGATGT TCACAGCAGC ACTATTCACC ATAGCCAAAA
165851 GGTGAAAAACA ACTCAAATGT CCATTGATGG ATGAATGGAT AAACAAAGTA
165901 TAACATACAT ACAATGGAAT ATTATTACAGC CTTGAAAAGG AAGAAAATTC
165951 TGATACATGC CACCATGTAA TGAACCTTGA AGACATTATG CTACATGCAA
166001 TAAGCCAGAC ACAAGGGGAC AAATATTGCA TAATTCTGCT TTAATGAGCT
166051 ACGTATAGCA GCCAAAATCA TAGAGACAGA AAGTAGAACT GTGGTTGTCA
166101 GGGTCTTGGG GGAAGGAAGT AATGGGGAGT TATTGTTTCA TGGTACAGAG
166151 TTTCCATT TG GGAAGATAAA AAGTTCTGGA CAGGGATGGT GGTGATGGTT
166201 GCACAACAGT GTGATGGTGT GGTAAATCGGC TGGTGTCCCC AGCTACTGAA
166251 TAACTCTAG GTTAGCAGCT TTCAAACCTT TTGGCACCAG GACACCTTAA
166301 CACGCTTAAA AATTGCTTGG GACACTGAAG AGCTTTTGTT TACATGGTTA
166351 TATCTATAGA TATATACCGT ATTAGAAAGT AAAACAGAAT TTAATAATAG
166401 TCACTTAAAA ATAACAGTAA TAAATCTATA CATATTAACA TAAATTGCAT
166451 ACTTATCATG AAAGTTAACC ATGTTTTCCT AAATAAAAAA TTTGTTTAAA
166501 GAAATGGTGT TAGTTTACAT TTTTACCTTT TTTTACGCGA CTAGCCTAAG
166551 AGAAGGCAGT GGTAGTCTCA TATCTGCTTT GTATTTAGTC TATTGTGATA
166601 TTACATGCCA TATAGCCTTT GGAAACTGT CTATTAATGA TAGGACAAGA
166651 GTGAAAAAGG CAAATAACAT ATTGGTATTG TTAGAGTTTG GACTTCCTGA
166701 GTCTCAGACA CTTCCAGGGG TTCCTGGACC ACTGTTTGAG AACTTCTATT
166751 CTAGGCATAA AATGACACTG CAAGAGCTAG CATTAATAT TACAGGATAT
166801 CATGAATAAT TTCTCCATT GTTCTGCACT ATTAACAAT TTAATAAAC
166851 TGGAAAAGGA ATAATGAAGC AATAGGAATC CATTCATAA ATAGGGTATG
166901 TAAGGTAAAA GCCCTACTTT ATTTGAATTT CATGGGTGTG AAATCATTA

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166951 TAAACAGAAT TAATGTTTTC AGTGTTATTG TAATGATCAT AAAATTCTAC
167001 ATTCTTACTG AGATTATGCA CTTTTATGCT TTAATAGATA TCATTTTATG
167051 TGCTAAGTAG GTAGGTGCAA GATCTTGAAA TTGTTGGGGG GCCTCCTATG
167101 GGGATAATTG TGTGATGAAG TACAATCATT TACTTAAATA TTTCTCCCAA
167151 GAGTTTGAGA GTTTCTAAAT GAATCAGCCA AATGCCTGGC TCCAGCATTC
167201 ACTAGGCACA GCAGTTTTTC ATCACTGAAG AATCTCAAAT AAGATGCAAT
167251 TGCCTGATAA ATAATTTTGT GTTACTTGTC AACTTTTCAA AAAAATAGTC
167301 CTTGGAAAGC TGTAATATCA GCAAATGCAA TCAACACATT ACAGCAAGTT
167351 GATTTGCAGG TTTATCGTCA TGGAAATAAA ACTTTTCAAG ACTGGGAGGT
167401 ATGGTGACAG TGAAATGTTT TTCTGCCCCT AGTGGCATGG ATTTTCAAGA
167451 ATATCTTTAG ATGGATTGCT CTATGTCAGC ATTGACAAAT TGCAAGTATA
167501 GTTTTATTTT AGTTTTTCCA GTTATATTCT TAAATGAATG TATTCCTTTT
167551 GTTGTTTAAT TTTCTCTTGT AAAGATATAT AGTTATTTT AGTCGAATAG
167601 CTTATGAAAA ATTAGGTGTA TTTGACAAAG AACTTTAATG TACAATTGGA
167651 ATAAATGCAG TTCTAGTTGA ATGTACAGCA ATAGTATGAT GGGCCCAAA
167701 TTATATTTCT ATATATATGC ACCTCTTCCA TTGTCAAGAT TTATTACATC
167751 CTAGAGAGTT TTCTAGGTGT TTTCAATAGG ATCCTATAAA TTCAGAACTT
167801 GGAGTCAGAA ATGCATAATA TTTCTTACT TCAACATTGA TAATGTTTCT
167851 CTTCCCACT GTTCAAAATA GTCATTTTCA TTTTTTGTAGT GAAGCCACAC
167901 AATATGTACA CTATTTTACAT TGTTTTTATA AATTTATATT TTATAATTAA
167951 ATAATTATCT CAACATTTTA ACTGTGAAC TTGTGTTTTA AATTGAGTTT
168001 TAACAAATGA TTAGGAGAAA CTACAACATT TATTAAATAC AAAATATATT
168051 TTCCCCTTTT ATTTTTCTAA GAACTGTCA TCCTACCGAT CATGCAACTG
168101 AATGCATCTT TTCAAGTTTG TTTTCTTATA TAGGAAATAT AAAGCAAGAA
168151 GTCTGCATGG TATAGTAAGA ATCAAGAGAT ACAGAGTGAA AAGATCTGAG
168201 GTTGAATCTA GCCTTCCTAC ACTGGCTGTG TGATGTCAGA CAAGTTCTGA
168251 AACTTTCCCA AGTTTCAACA CTGTCATCTA TAACATGGAT TCTGAGGTAC
168301 TATTACCAGG CTGCTCATGG TAATGAGCGT GGTAAAGAACC TCCAGTTGCC
168351 CAACGCTGAG GAGCCCTCAT CTCATCTCAA GTGCTGCATT TGCCTCCAGC
168401 TAGTCTCTCG CCCGCAACGA GTTCATTCTC TACATGCCTA CCAGAGTGAT
168451 CTTTTAAAAA TGTAAGCAG AGTTTGCCAT TGCTTGCTTG AAACCTCTAT
168501 TAGCTTTCTG TTGTGTGTAG GATATACAAC AGAAAACTT TCACGTGGCC
168551 TATAAGGCCC CTGCCTGCTT GCTCTTCCCC ACCCCTCCTC CAACCTCACC
168601 CCATGCTACT ACACCTCCATC TCACTCCTGT TATGGTGACC AGCCATCCCA
168651 GTTTGCTGTA GATTTTCTTA GTTTAAGCAG TGAAAACAAG AATGATTGCC
168701 CACTAGACTC CTGATAGTCC AGCCATATTG TTCTCTGGGT GTGCCACAT
168751 CTTTCCCATC TTTGAAATGT CTGTTTGTCT TGGAAGCCAC ATCATATGCC
168801 CTCACCATGT ACCTAGTTCA TGCTTATCCA TCCTTCAGGC CTCAGTTTAA
168851 AGGGCCTATT TGCAGAGAA CTTTCCCTGA GTCACAGATA TAAATTAGAT
168901 CTCATGTGTT ATTCTTATAT TAGCACCCGC AGGGCTACTG CATACAGTTG
168951 TGCCTGCTGT GTGCTGCACA ACATCAGGGA CCTCCATAGA TGATGTGAAG
169001 GTGGTCCCCG GAGTTGTACC ATGAGTTGAT GCTGAAACAG TTCTTTTCTT
169051 TTATAGCACC TTTGTCAAGT GTGGTACATA TAATGTCTAC AAATTGTATA
169101 TATAAAGAAT ATATATTTCA GAATATATAT ATATATATAT ATATATATAT
169151 ATATAAAATT GAAGAAATTT TTATACACCC TATTGGTATG TAAGTTTCAT
169201 AAGTGTAGGA GCTCTGTCAA TTTTGATAAT TTTTATACCC ATTAACCGTA
169251 CAGTTAGTTA TTTGTAAAA GCGTCCGATA AATACTTGCT TAATGAATGA
169301 ATGGGAGCGT ATTTTATGTG GGTGTTGGTGA CTATTATATG TGATAATATA
169351 TTGAAAGTCC TTTGTAAAGT ATTATTATTT ATGATAAATA TTAAATAGAA
169401 TATGAAAAAT GATTATTAGT ACAATATCTA GGTCTACTG TGATATAAAA
169451 CTCTTAAATG TCTTTTCAA TACTCTATTA GCAGTCTTA AGATTTTCCA
169501 GAGATATGCA ATGATAAGCA GATCAATGGA GCAAAGTAAA GAATCCAGAA
169551 CATTGCCTAA ATATGAGTTT AGTATATACA AATGCATTGT TTTATTTAGT
169601 GAAGAAAGAA GACATATTTA AATAAGTAGT CTTGGAAAAA TTGCCTGTTT
169651 GGAAAAAATA TAGATTCTTA CTGTATAACA CACACAAAAA TAAATTTTCA
169701 TGAATTAAAA ATTTAAATAT TTAAGATATG AAACAAATAA TAAAGAAGA
169751 TATTGAAGAA TAACTTCATA TTCTTGAGT AAGGAATTT TTTATAATTA
169801 TGAAATAAAC CCAGAAGTCA TAAAAGACTT ACAGAATTGC CTATTTAAAA
169851 ATGCGAAATT TCTTTTCTCT TTTTCTTTT TTTTGTAGAC AGTGTCTCAC
169901 TCTGCCACAC AAGCTGGAGT AGAGTGGCAT GATCTTGGCT CACTACAACC
169951 TCCACTTCCC TGGTTCAAGT GATTCTCCTG CCTCAGCCTC CTGAGTAGCT
170001 GGGACTACAG GTGGTGGCAC CACGCTGGG TAATTTTGT ATTTTATAGTA
170051 GAAATGGGGT TTCACCATAT TGGCCAGGCT GGTCTCGAAC TCTTGACCTT

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170101 GTGATCCGCC CTCCCAAAGT GCTGGGATTA CAGGTGTGAG GCACCATGCC
 170151 TGGCCACAAA ATTTCTTTTC TTTTCTTTTC TTTTTTTTTT TTTTGTCTGT
 170201 TGCAAGATTT AATAGAGTGA AATAGAGTGA AAACAGAGCT CCCATACAAA
 170251 GGGAGGGGAC CCAAAAATGG TAGCCATTGC TGGCTCCAAT GCCTGGGTTT
 170301 ATAACCCAAT CATTGTCCCT CCCACTGTGT TCTCAGGCGA TAGATGATTG
 170351 GCTATTTCTT TACCTCCTGT TTTAGCCTAG TTACCATTTT AGTGAGCTCT
 170401 CTTTCTACC TGATTGGTCA GGTGTGAGCT AAGTTGCAAG CCCCAGGTTT
 170451 AAAGGTAGAA GCAGTCACCT TCCCAGCTAG GCTTAGGGAT TCTTAGTCAG
 170501 CCTAGGAAAT CCAGCTAGTC CTGTCTCTGA GTACCCCTC TCAACAGGAA
 170551 AACCCAAGTG CTGTTGGGGA GGATGGCCGA TGA CTGCTCT AACTGCTTCC
 170601 TGCTGAATTG GGGCGTAGTG GGGGTTATGC AGTTGAGATT TCCTCTGGAG
 170651 GGGTGCCTTC GATGTCATTA ACATCGGAGC ATGGGCTAGC AGGCCGGTCC
 170701 AGGGGTCTGC GGTAGATCTT AGTCATGGAC TGCCTCTGGG GCTCCATTG
 170751 AAGAACAATT TGTAAGTTTA GAGCTTCAAT TTTGGAAGAG ACAAACCTAA
 170801 CAAGGAGGTT AAAGATACAG GGATTGAAAT GTATGGCTG AAGTGCAGGG
 170851 GATTATTTCT TTGGGACACT TCACAGGCC TGACTATCTG CTTGATAGTT
 170901 TTGAAAAGGC CTGGCCAGT AAATAATAAT TTGGCCATCT GATGGGTACT
 170951 ATCAATGCCT AAGTGAAGG TTAGGTGAAG GGTTTTAAAGT AATTTCTATT
 171001 GGTTAGCTGC AGGCAAAATA TTTTCTTTC TCTGGTGGCT AGCCATCTGG
 171051 AGGGGAGGGA AGTATGTCCT CGTGAGGTTT CCTATTCTAT TTTTCTGCT
 171101 GAGTACTGGG ACTTGGTTTC CCGGAGTGGA TTACCCATA CTAGGGGTCC
 171151 TTCTATAAGC ATTTCTAATG GAGGGTCTG CCTTGCAGCT CTTTGTACTT
 171201 CAATATCTGC TTGGCGGTTT CCTTCTATTT CCCTTCTCTT TCCTTTCTGA
 171251 TGATATGGC AGTGAAGAC TGCCACCTCT TCAGGTTTCT GTACAGCCAA
 171301 TAATAATCTC CTAATGGCTT CTTGATGTTT GATAGGTGTT CCCTCGAAAT
 171351 TAGGAATTCC CTTTCTCTCC ATATTGCTGC ATGGGCATGG AGGACTAGGT
 171401 AAGCATACTT AGAGTCTGTA TATATATTTA CCCTTTTCTT CTTCTCTTAA
 171451 TTCTAGTGCC CGAGTGAGGG CTGTTAGTTT TGCCAGCTGA GCACTAGTTC
 171501 CTGGAGTGAG GGGTTTACTT TCAAGTATTC CATTATCACT GACCACTGCA
 171551 TACCCTGCTT TTCAAAGTCC TTTTCTTACA AAGGAACCTC CATCAGTATA
 171601 CAAGCTGAGG TCGGGATCAG TCAAGGGACC CTCTAAAAGG TCCCTTCAAG
 171651 TGGCATAGGT TTGAGCAATT ACTTGTGAC AGTTACATTC TATCTTTCT
 171701 TCATTGTCTG GAAGAAATGT GGCTGGGTTA AGAGTTGCAC AAGTGCGCAG
 171751 TCACAGCACT GGACCTTCAA GTAATAGAGC CTGATATTTA AGTAAACAGT
 171801 TGTCTGACAG CCACAAGTCT CCTTTAGCAG TGAGTATGCC ATTCACATCA
 171851 TGAGATGTCC ACACAGTAAG ATCTCTTCCC TGTATCATTT TAACCTTTTC
 171901 AGATACTAAG ACTGCTACTG TCGCCAATAC CCGTAAACAA TGTGGCCAAC
 171951 TCTTTGCCAC TACATCAGTT TCCTTACTCA GGTATGCCAT GGGTTGCAAG
 172001 CTCATCCCTC GGACCTGTGT AAGGACTCCT AGAGCTATTC CTGTTTCTTC
 172051 TGTGACTTAT AAAGAAAAGT CTTGTCCCGT TGGCAAGCTT AACGCTGGG
 172101 CTTGGGTTAG GGCCTTCTTT AGAGCCTGGA AAGCTGCTTC TGCCTCAGGT
 172151 GTCCATCTTA CTAATGGGT ATTGGCTTTC TGAGTTTCTT TAATTATATA
 172201 ATGTTCTGGC TATTTGCGCG TACCTGGGAA TCCATATTCC GCAGAAACCT
 172251 GTTATGCCAA GAGGCCCTTT TAGTTGCTTT AGGGTTTGG GATGAGGACA
 172301 AGCCAGTATA GGCTGGATAC GTTCTCTACT GAGTGCCCTG GTGCCTTTGG
 172351 ATAATTTTGC CCCTACGTAT TTAACCTGCT ATGAGCAGAG CTGAGCCTTT
 172401 GGTTTGGAAA CCTTGTAGCC ACAGGTAACG AGGAAATTTA GCCTTGCCGC
 172451 AAAATTTCTA TATAGCAAAA GACATAATAA AGATAAAAGA CAAATGAGAA
 172501 ATAACAAATT AAGAAAACAT TTGCAATTCT TACAATATAT ACAGGTATTA
 172551 ATGTATAAAA TATATGTTCT ACCTACCCCT TTAAATTAGG AAAAAAGAA
 172601 AACCCAACAG AAAAATGAGC AGAGGAAATT ACCAATTTCA TGAAGAATCT
 172651 CACAAAAGGC TAATAAAAGG TGATTCAACC TTATTTAAATA AATAAAATA
 172701 AAATAATAAT ATATCACAGT TTTGTAAAAC TGGAAAGATT TACAAGACAG
 172751 AATATACAAT GTTAACAAA GTGTGGGGGA AAACAGGACT TTTATACATT
 172801 GTTGGTAAAA TGCATAATAG TTTTGAAGAA ATATTTTACA ACTTTTAA
 172851 AAATTAACAT TTTTATTCAA CAGTTTTTTA AAAAAATACA TATGTAAAGA
 172901 ACTCTCTGGG TGTTGAGAAT ACAATGCTTT TTTTTTTAA GTCCCTAAC
 172951 TCTTGAATA TAACATTCTG GAGGAGAAGT TAGAAAATGA AAAAAAACT
 173001 ACAAATAGAA GTAAAATATA ATATCTTATA AAACACAGTG GCATTCTACT
 173051 TCTGATAATG TAGGCTGGGT AATGCCAGCA AGATTTCAGT AGATTAGACT
 173101 AGACTAGTTT TCATAAAGCT TATATACCAC TAAAGCAGAA ATTAATGAAC
 173151 TGAAAGAAAG GTGAGAATAC ATTAGAATAC TGAGAGTAAA AACAGGGAAT
 173201 TACAGAAGAA AGGGCAAAAG ACCGGGGAAA CACAGTGAGA TCTAATATCA

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173251 CTTAACTGAA GTCTCAGAGA GAAACAGTAT TTCAGGAAAT AACAGGGGAA
173301 AATTTTCCAG AATTGATGGA TATCATTCAG TAGATTCAAG AGACTGAAGA
173351 ATACCGAGTA ACAAATATACA GAAATCTATA GCTTGATATA TCATATTAAA
173401 ACTTCAGACA ACCAAAGATG TAGAGATTCT TGAAAGAATC CAGAGAAAAA
173451 CCAATAAATT ACTTTCAAAC AAGTGACAAG GAAACTAATT GCTAATCTAA
173501 ATAGCAATAA AGAAACGCAT AAGTAATTGA CATCTTCTGT GTACTGAAAG
173551 AAAGTAACTT CCAACCTGTA ATTCTAGAG TAAATCAAGG TAATGAAAAAT
173601 TAAAGTCCAC ACTGAGATAC CACTACGTAC CACTCAGGAC AAAAATGTAA
173651 AAGTTTGATA ATACCAAGTG TTGTTAAGGA TGTGGAAC TAAGACAAA
173701 TTATGCTTCC ATTACTGGTG GGAGTATAAA TTGATGCCTC TTCTTTGGAA
173751 AATAGCTCTT TTCCCTGCTA TATAAAGATG CATACCCTAT GACTCAATAA
173801 TTTTACTCCT GGGTGTATTC CTTAGAAACA TGTATGCTTA TGTGTGAAAC
173851 CAGCCCAACA GTCCTATAGA CAATTGTTTT GGGATAAACA TAGAAATTGA
173901 CCCTTCTGCT CTTAAAGCTT GAAACTGTCT TTTGTTTTAT CTGAGTTTCT
173951 TTCTCAGGAA AGGACTATCA GGCCTCTCAA AAAAGTATCA AAGAACCAAA
174001 ACTCACCAGA TGCCTCAAGC CCCCCTGTAG TTCTTGCTTT CTTACACATT
174051 GTTACATTTT TTCCCTGCTA TATAAACCCT AGAGTTAGTG AGCCAGGGAG
174101 ATGGAATTGA GGCTGAGCTC CCATCTTTTT GGCTGCAGCA CCCGATTAAA
174151 GCCTTCTTCC TTGGTGTACT CATTGTCTCA GTGATTGGCT TTCTGTGCTG
174201 CGAGCAGCAG GACCTAGACC GAACCCCTGG TGTTCGGTA ACATGTGCAC
174251 CAGGAGACAT ATACAAGAAT GCAGTAATAG CCTCTAGAAA CAATGAAATG
174301 CCTATTAATA GCATAACAAA TAAATTATAG CATATTCATA CAATGGGATG
174351 CTCTATGCA ATAAAGTAA ATGGACCTCA GCTCTCTGTA ACAACATAGA
174401 TAAATCTTGT AGACATGATA TAACTAAAAG AAGCAAGATA TGAAAGATTCT
174451 CCTAAGATAT AATTTCTTTT ACATAACCAT TAAACCAGAT AAGCCAGAGT
174501 ATATCATTTA GGAATTATAT ATATAACTAT ATATATATAT ACTTTCATAT
174551 ATATATATAT ATGAAACTAT AAAGAAAAGC AAGGACGTGC TTACCATAAA
174601 AGTTAAAATA TTGGTTATTT CTAGAGTGAA AAGCAGGCTT ACAAATAGGA
174651 AGGGATGTGG AATATCGGAA TGTCTGGTAT GCATTTGGGC CACTGGTTAA
174701 TTTTAAGTTT CTCGACCTAT ATAGTAGTTT TGCAAGTATT TGCTTTATAT
174751 TTATTATATT GCACTTCTTT GGTATTGTTT GGGAGGTATC ATTTTAGTAG
174801 AAACAAAGGA AATGAGAGAG CAAACTCTGT ACATATCTAG GGGAAATGTT
174851 CTCTCTGACA GAAATGTGCC TCTCCTTTTA CCCAGCATTT TCTGTAGTA
174901 GTTTATCATC CAGAAATACC TCTACAAACT TTGCAAAGTT ATGTGTTTCA
174951 CACAACATTG AAGTGTGTAA GTAAATTTAG GTTGAGAGTT TATCATGAGT
175001 GGAGATTTTT CTCTGAGCAA ATGCTAAACA GCAGGTGTA GGAATGTCCC
175051 TCCAGTCATT TTTTTTTTCT TTCTGGCAGG CATCCTGTAT AACTACTCCA
175101 GACCAATTTA ATGTTAATTT CTCATGAAAT CCTACAGCAC ATGAGAAATG
175151 TAAATTCAGA TTTTTATTTT ATTTTATTTT ATTTTGAGAC AGAGTCTCGT
175201 TCTGTGCGCC AGGCTGGAGC GCAGTGGCAC AATCTCTGCT CGCTGCAATC
175251 TCTGCCTCAC CGGATTCAAG CGATTCTCTG CCTCAGCCTC CTGAATAGCT
175301 GGGATTGTAG GTGTGCACAA CCACACCTGG CTAATTTTGT TATTTTGTAGT
175351 AGAGACGGGG TTTCCACATG TTAGCCAGGA TGGTCTCGAT CTCCTGACCT
175401 CATGATCCAC CCACCTTGGG CTCCCAAAGT GCTGGGATTA GTGTGAGCCA
175451 AGGGTCCATT CCAAGAGGGC GGAATAGGAA CAGCTCTGGT TTGCAGGTCC
175501 CAGCATGATC AACGCAGAAG ACAGGTGATT TCTGCATTTC CAACTGAGAT
175551 GCCTGGTTCA TCTCATTGGG ACGGGCTGGA CAGTGGGTGC AGCCCACGGA
175601 AGGCAAGCTG AAGCAGGGCA GGGCATCACC ACACCTGGGA AGTGCATGGG
175651 GTCAGAGGAT TTCCCTTTCC TAGCCAAGGG AAGCCCTGAC AGACTGTACT
175701 GGGAAAATCG GGACACTGCC ACCTAAACAC TGCAC'TTTTA CAATGGTCTT
175751 AGCAAACGGC ACACCAGGAG ATTATATCCA GCACCTGGCT CAGCAGGTCC
175801 CACGCCCATG GAGCCTTCCT CACTGCTAGT CCAAGATCAA ACTGCGAGGT
175851 GGCAAGCCTG GCATCTAAGA CACCAAAAGC AATAGCAACA AAAGCCAAAA
175901 TAGACAAATG GGATCTAATT AAACCTAAAG GCTTCTGCAC AGCAAAAGAA
175951 ACTACCATCA GAGTGAACAG GCAACCTACA GAATGGGAGA AAATTTTGTG
176001 AATCTACCCA TCTGACAAAG GGCTAATATC CAGAATCTAC AAAGAACTTA
176051 AACAAATTTA CGAGAAAAAA ATCAAACAGC CCCCTCAAAA AGTGAGCAAA
176101 GGATATGAAC AGACACTTCT CAAACGAAGA CATTTGCGCA GCCAACAGAC
176151 ACATGAAAAA ATGTTTCATCA TCACTGGCCA TCAGAGAAAT GCAATCAAAA
176201 ACCACAATGA GATACTATTT CACACCAGTT AGAATGGCAA TCATTAAAAA
176251 GTCAGGAAAC AACAGGTGCT GGAGAGGATG TGGAGAAATA GGAATACTTT
176301 TACACTGTTG GTGGGAGTGT AAACCTAGTT AACCATTGTG GAAGGCAGTG
176351 TGGCGATTCT TCAGGGATCT AGAACTAGAA ATACCATTGT ACCCCGTGAT

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176401 CCCATTATTG GGTATATACC CAAAGGATTA TACATCATGC TACTATAAAG
176451 ACGCATGCAC TTGTATGTTT ATTGTGGCAC TATTACAAT AGCAAACACT
176501 TGGAAATCAAC CCAATGTCC ATCAATGATA GACTGGATTA AGAAAATGTG
176551 GCACATATAC ACCATGGAAT ACTATGCAGC CATAAAAAAT GATGAGTTCA
176601 TGTCTTTGT AGGGACATGG ATGAAGCTGG AAACCATCAT TCTCAGCAAA
176651 CTATCGCAAG GACAAAAAAC CAAACACCGC ATGTTCTCAC TCATAGATGG
176701 GAATTGAACA ATGAGAACAC ATGGACACAG GAAGGGGAAC ATCACACACT
176751 GGGGCCTGTT GTGGGGTGAG GGGAGGGGGG AGGGATAGCA TTAGGAGATA
176801 TACCTAATGT TAAATGACAA GTTAATGGGT GCAGCACACC AACATGGCAT
176851 ATGTATACAT ATGTAACAAA CCTGCACTTT GTGCACATGT ACCCTAAAC
176901 GTAAACAGAA ATCTCTTCT CTGACCTCC CTGCCCCC TTTCTCTCAC
176951 CAAAAATTTT CAAAACGGTG ATATTGTGAT ACACACACAC ACACACATAT
177001 ATAAAGTACA CATAAGTTC ATATATATAT GTATATATGT ATATATGTAT
177051 ATTTGTATAT TATATATGTG TATATATATA TGTGTGTGTG TGTGTGTGTG
177101 TGTATATATA TATATATATA TATATATATA TATATATATA TATATATATA
177151 AAGTTTTTCC CCATGGTTCC TAGCTCATAA CTTCCATAGC CCTTGTTCAC
177201 GTAAACAGAA ATCTCTTCT CTGACCTCC CTGCCCCC TTTCTCTCAC
177251 CTACAATAGA ACTCTAATCT GATTGTGAGT CATAAGACCT TCATTCTAGA
177301 GAGGGTCTG TTTTCTTCCC TGGAGAAAGA GATGCTGCAT AGAGAGGCCA
177351 AATGGAATCT GAACAAAGAG GCTTTGCTAG GTTTAGATCT TACTCTTTT
177401 GTCCAATCAC ATTTTGACAC AGTTATCCAT GCTTTGACCA TGCCTATGCA
177451 ATGAAGTCTC CAAAAACCC AAAAGGATGG AGTTTGCCCA GATTCTGGAT
177501 GGCTGAACAC ATGGAGGGT CTAGAGGGTG GCACACCCAG GAAGGGCATG
177551 GATGCTCCAT GCCACTTCC CTATGCCTTA CCCTATGCAT TTCTTTATCT
177601 GTATCCTATG TCATATCCTG TATAATAAAC CAGTAAACAT CAGTGTTTCC
177651 CTGAGTTCTG TGAGTCACCC TAGCAAATTA ATCAAACCCA AGGAGGGGGC
177701 TGTGAGAGC TGATTATAG CCAGTTGATC AGAAGGCCTG GATTTGTGAC
177751 TGGTGTTTGA AGTGGGGCAG TCTTGGGGAC TGAGCTCTCA ACCTGTGAGA
177801 TCTGACACCA TCTCCAGTGT CATAGATAGA TATTGTAGAT AGTCAGAATT
177851 GAATTAGGGA ACACCCAGT GGTGTCCATT GCAGTAGTAA TTGCTTGT
177901 GTTTGTGGGA AAAACACCCA CACATTTGGT CACAGGTGTC TTCTGTATTG
177951 ATTGTTTTCT TGGTGGGACA GCAGAGGAAA AATGGTTTGA GGTTTTTTTT
178001 TTTAAATAAA TAGTACTACA ATGCAAATGT ACAACACATC TATTTCTCCC
178051 TACTCATTAA ATAGGCCAAA ATTAATTTTC TAGTGAAGG ACTTAGCATT
178101 GCTGTTTATG AAAATAATTT GATGCAAATC AGTAGGCATG CCTTGGGCTT
178151 TTTTATTGTT TGCAGCATGA GGACCGTCAA AGTGCTCTGA GAGAATCAGA
178201 AGCAGAATAT TGATGGGGAG AGGGCATTGA ACCTTGTGAC TTCAAGATTT
178251 TCTCCATTGA GGGTGCTAAT TTTTTGGGAA AGTGATCAGC TAAACATGAG
178301 TTATAGTTCA ATAGACACCA TGGCTGAGCA ATTTAAGATG ATATATAAAA
178351 GGCCAGTCC AGATCAGGAG GCCAAGTGA CTGGCGATAG GGATGAAGGT
178401 AAGACTCACC ATCCTTAGGA AACTAACCTC TGTATGGCAA GATGCTGGAG
178451 CTGGGTGGG TGGTGCAAA GTGAACATA GATTCACTTG GTTTTGAAT
178501 TTGGGTTTGG TAAAAGCAAA ATCACAAATG GATAGGGCTA GATCAAATTG
178551 AAATTTAAAT GGTAAATAAG AAATGAAAGT GTTGGTCCAA AGTGTGACA
178601 GCCAACAAAG GTTGAATGC ACTTTTGAAT CCAGAACAGG TAACCACCTT
178651 GGCTTTTCACT ACTCATTCTC AGTGGAGGCA TGTAGCAGGA GGGTGTCTGA
178701 TTAGAGGAAC CACAAACAGG TAGAGCTGGA GAAAGCAGAA TAGGAATCAA
178751 GTGTACAGAA AAAAGGCTCC AGTATAGCAG TTGCTATCAG GTTGTTCATA
178801 CCTGTTTTGA TCCCTTTACC ATTTCTTGT GCTTTGTGTC CCAGCTGTGT
178851 CTCTTTTTGT GGGGGCTACT CTCAAGCTGC CAGAGCTCCG TCTGTCTATA
178901 CTCAGACAGC CAGAAGGGCC TGGGAATATA TACCTCTCTC CCACACCCCC
178951 AGCCCTCAAG AGGCAGACTT TTCAAAATGA CTAATGTATG GAAGAGCATA
179001 AACACTCCAG TACCTCCCTG TTAATTGTCT CTAGAGCTCT GGGGGATTAA
179051 GCCAAAGTTA GGCCTTGTGG ACCTCTACTT GATACTGCCT TTCTGATAAA
179101 TAACTTTTTAC AAAAATTCTC ATCTCAAGAG TCTTTTTCTG GGGAAATCAG
179151 CCTAAGACAC CTAGCTTTTC AAAAATTGG AAGTAATTCC TAGCTGTTTT
179201 ATGAGATCTG GGGGAGTTTT CTTATCAGTT TTTCTGAAT TAGGCTTTAA
179251 ACATTTTTTTA AAGAATATTG ATGATTTTAT TGATGTGTTG TCTGTGTCAC
179301 AGGATAACCA TGAATCACT GCGTATAAGT AAGGAAAATG ATTTTAATGA
179351 ATCTCTGAGC CCCTTAGTGC TGACACTTTC TCTATGGTTA CAGTATAACA
179401 CAGAGACCCC ACATTACCA AAAGAAGCCT TGTACAGGCA CCACACCGTA
179451 ACGTGACCTG GTTACCTGGT TCTGTCCATG GTGGGCATCA GTGTCTTCAC
179501 CCAAATAGTC AGGCTCTCCA GATAGGTTTG AAAACTTCAG ACAAAGTGAA

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179551 GATGACAATG ATTTTCTGAG AATGACTGAG GAGAACTCTA CCAGAAAATT
179601 GTAGACAGTT TACCATGAAT ACTTAGAGAT AAAGAGCTTT TCCAGATAGG
179651 CTGTAAGATA TAGTAGTTGC AAGTTTCTAT TTGTTAAGAA ACTGTTTTTA
179701 TTTTAAACT TAACAAAGGT TTAATAGCTT TAACATTTAA AAAATTTATG
179751 CACAAATACC TTGGTCCTAA GCCAAATATT AACAAAGTCAC AGAGCAAAAA
179801 GTAAACACAG TAATAAAAAT ATTAGAATCG TTAGAGTTCA CTCTTAATTT
179851 TTAAATTCAT ATTAATTAATGA ATACAATAAC ACATTTATCT ATCACACAAG
179901 CAAAAATTAA AGTAAGAAAC AATAAAAATA TGCATCACTA GAGGGCTAAC
179951 ATTACAGGTA CTGCATCATT CCCTTAACAT GCATTGTTTT ATTTATTTAT
180001 TTTTTTATTA TACTTTAAGT TCTAGGGTAC ATGTGCACAA CGTGCAGGTT
180051 TGTTACATAT GTATACATGT GCCATGTTGG TGTGCTGCAC CCATTAAGCT
180101 GCACCCATTA AGTCATCATT TATATTAGGT ATTTCTCCTA ATGCTATTCC
180151 CTCCCCATC CCCTCACCCC ACGACAGGCC CCACCCTGTG TCTAAGTGTT
180201 CTCATTGTTT AATTCACACC TATGAGTGAG AACATGTGGT GGTGTTGTTT
180251 CTGTCCCTGT GATAGTTTGC TGGGAATGAT GGTTCACAGC TTCATCCATG
180301 TCCCTACAAA GGACATGAAC TCATCATTTT TTATGGCTGC ATAGTATTCC
180351 ATGGTGTATA TGTGCCACAT TTTCTTAATC CAGTCTATCA TTGATGGACA
180401 TTTGGGTTGG TTCCAAGTCT TTGCTATTGT GAATAGTGCC ACAATAAACA
180451 TATGCGCACA TGTGTCTTAA TAGTAGCACG ATTTATAATC CTTTGAGTAT
180501 ATACCCAGTA ATGGGATGGC TGGGTCAAAT GGTATTTCTA GTTCTAGATC
180551 CTTGAGGAAT CGCCACACTG TCTTCCACAA TGGTTGAACT AGTTTACAGT
180601 CCCACCAACA GTGTAAAAGT GTTCCTGGCT GGGCACGGTG GCCCATGTCT
180651 GTAATCCCAG CACTTTGGGA GGCTGAGGCG GGTGGATCAC GAGGTCAGGA
180701 GATCGAGACC ATCCTGGCTA ACACGGTGAA ACGCTATCTC TACTAAAAAT
180751 ACAAAAAATT AGCTGGGCGC GGTGGCAGGC ACCTGTAGTC CCAGCTACTC
180801 AGGAGGCTGA GGCAGGAGAA TAGCATGAAC CCAGGAGGCT GAGCTTGCAG
180851 TGAGCCGAGC CTGGGTGCAC TCCAGCCTGG GTGAAAGAGT GAGACTCTAT
180901 CTCAAGAAAA AAAAAAAGTG TTCCTATTTC TCCACATCCT CTCCAGTACC
180951 TGTTGTTTCC TGACTTTTAA ATGATCAACA TTCTAACTGG TGTGAGATGG
181001 TATTTTCATT TGGTTTGGAT TTGCATTCTT CTGATGGCCA GTGATGATGA
181051 GCATTTTTTTC ATGTGACTGT TGGCTGCATA AATGCTCTCT TTTGAGAAGT
181101 GTCTGTTTCAT ATCCTTTGCC CACATTTGAT GGGGTTGTTT GATTTTTTCT
181151 TGTAAATTTG TTTAAGTTCT TTGTAGATTC TGTATATTAG CCCTTTGTCA
181201 GATGGGTAGA TTGCAAAAAT TTTCTCCCAT TCTGTAGGTT GCCTGTTTCA
181251 TCTGATCGTG GTTTCTTTTG CTGTGCAGAA GCTCTTAGT TTAATTCGAT
181301 CCCATTGTGC TATTTTGGCT TTTATTGCCA TTGCTTTTGG TGTTTTAGTT
181351 ATGAAGTCCT TGCCCATGCC TATGTCCTGA ATGGTAATGC CTAGGTTTTC
181401 TTCTAGGGTT TTTATGGTTT TAGGTCTAAC ATTTAGGTCT TTAATCCATC
181451 TTGCATTAAT TTTTGTACAA GGTGTAAGGA AGGGATCCAG TTTCAGCTTT
181501 CTACATATGG CTAGCCAGTT TTCCACGAC CATTATTTAA ATAGGGAATC
181551 CTTTCCCAT TTTCTGTTT TGTCAGGTTT GTCAAAGATC AGATGATTGT
181601 AGATGTGTTA TTATTTCTGA GGGCTCTGTT CTGTTCCAAT GATCTATATC
181651 TCTGTTTTTG TGCCAGTACC ATGCTGTTTT GGTACTGTA GCCTTGATT
181701 ATAGTTTGAA ATCTGGTAGC ATGATGCCTC CAGCTTTGTT CTTTGGCTT
181751 AGGATTGTCT TAGCAATGTG GGCTCTTTT TGGTTCCATA TGAACTTAA
181801 AATAGTTTTT TCCAATTCTG TGAAGAAAGT CATTGGTAGC TTGATGGGGA
181851 TGGCATTGAA TCTATAAATT ACCTTGGGCA GTATGGACAT TTTACAGATA
181901 TTGATTCTTC CTATCCATGA GCATGGAATG TTCTTCCATT TGTGTTGTC
181951 CTCTTTTATT TCGTGGAGCA GTGGTTTGTA GTTCTCCATG AAGAGGTCCT
182001 ACACATCCCT TGTAAGTTGG ATTCCTAGGT ATTTTATTCT CTTGAAGCA
182051 ATTGTGAATG GGAGTTCACT CATGATTGG CTCTCTGTTT GTCTGTTATT
182101 GGTGTATAAG AATGCTGTG ATTTTGCAC ATTGATTTTC TATCCTGAGA
182151 CTTTGCTGAA GTTGCTTATC AGTTTAAGGA GATTTTGGGC TGAGACGATG
182201 GGGTTTTCTA AGTATACAAT CATGTCGTCT GCAACAGGG ACAATTTGAC
182251 TTCCTCTTTT CCTAATTGAA TACCCTTTAT TTCTTTCTGT TGCCTGATTG
182301 CCTGGCCAG AACTTCCAAC ACTATGTTGA ATAGGAGTGG TGAGAGAAGG
182351 CATCCCTGTC TTGTGCCAGT TTTCAAAGG AATGCTTTCA GTTTTGGCCC
182401 ATTCAGTATG ATATTGGCTG TGGGTTTGT ATAAATAGCT CTTATTATTT
182451 TGAGCTACGT CCCATCAATA CCTAGCTTAT TGAGAGTTTT TAGCATGAAG
182501 GGCTGTTGAA CTTTCTTGAA GGCTTTTCT GCATCCGTTG ATGCAGAAAA
182551 GAGATAATCA TGTGGTTTTT GTCTTTGGTT CTGTTTATAT GATGGATTAT
182601 GTTTATTGAT TTGCATATGT TGAACAGCC TTGCATCCCA GGGATGAAGC
182651 CAACGTGACC GTGGTGATA AGCTTTTTTG ATGTGCTGCT GGATTTGGTT

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182701 TGCCGGTATT TTATTGAGGA TTTTGTGATT GATGTTTCATC AGGAATATTG
182751 GTCTAAAAATT CTCTTTTTTT GTTGTGTTTC TGCCAGACTT TGGTATCAGG
182801 ATGATGTTGG CCTTGTAATA TGAGTTAGGG AGGATTCCCT CTTTTTCTAT
182851 TGATCTATTG ATTGGAATAG TTTCAGAAGG AATGGTACCA GCTCCGCTTT
182901 GTACCTCTGG TAGAATTTGG CTGTGAATCC ATCTGGTCTT GGACTTTTTT
182951 GGTGGTAGG CTATTAAGTG TTGCCTCAAT TTCAGGGTCT GTTATTGATC
183001 TATTCAGGGA TTCAACTTCT TCCTGGTTTA GTCTGGGAG GGTGTAAATG
183051 TACAGGAATT TATCTATTTC TTTTATATTCTCTAGTTTAT TTGCATAGAG
183101 GTGTTTATAG TATCCTCTGA TGGTAGTTTG TATTTCTGTG GGATTGGTGG
183151 TGATATCCCC TTTATCATTT TTTATTGTGT CTATTTGATT CTCTCTCTT
183201 TTCTTCTTTG TTAGTCTTGC TAGCATCTAT CTATTTTGTT GATCTCTTCA
183251 AAAAACCAGC TCTTGGATTCTATTGATTTT TGAAGGTTT TTTGTGTCTC
183301 TATCTCCTTC AGATCTGCTC TGATCTTAGT TATTTCTTGC CTCTGCTAG
183351 CTTTGAATG TATTTGCTCT TGTTTCTCTA GTTCTTTTAA TTGTGATGTT
183401 AAGGTGTCAA TTTTAGATCT TTCCTGCTTT CTCCTGTGGG CATTAGTGC
183451 TTTAAATTTT CCTCTACACA CTGCTTTAAA TGTGTCCCAG AGATTCTGGT
183501 ATGTTGTGTC TTTGTTCTCA TTGGTTTCAA AGAACATCTT TATTTCTGCC
183551 TTCATTTTGT TATTTACCCA GGAGCAGGTT GTTCGGTTTC CATGTAGTTG
183601 TGTGGTTTTG AGTGAGTTTC TTAATCCTGA GTTCTAGTTT GATTGCTAG
183651 TGGTCTGAGA GACAGTTTGT TATAATTTCT GTTCTTTTAC GTTTGCTGAG
183701 GAGTGCTTTA CTCCAACCTA TGTGGTCAAT TTTGGAATAA GTGCAACGTG
183751 GTGCTGAGAA GAATGTATAT TCTGTTGATT TGGGGTGGAG AGTTCTGTAG
183801 ATGCTCTATTA GGTCTGCTTG GTGCAGAGCT GAGTTCAATT CCTGGATATC
183851 CTGTGTAACCT TTCTGTCTCA TTGTTCTGCC TAATGTTGAC AGTGGGGTGT
183901 TAAAGTCTCC CATTATTATT GTGTGGGAGT CTAAGTCTCT TTGTAGGTCT
183951 CTAAGGACTT GCTTTATTAA TCTGGGTTCT CCTGTATTGG GTGTATATAT
184001 ATTTAGGATA GTTAGCTCTT CTTATTGAAT TGATCCATTT ACCATTATGT
184051 AATGGCCTTC TTTGTCTCTT TTGATCTTTG TTGGTTTAAA GTCTGTTTAA
184101 TCAGAACTA AGATTGCAAT CGCTGCTTTT TTTTGTTTTC CATTGCTTAA
184151 GTAGATCTTC CTCCATCCCT TTATTTTGAG CCTATGTGTG TCTCTGAATG
184201 TGAAATGGGT CCCCTGAATA CAGCACACTG ATGGGTCTTG ACTCTTATC
184251 CAATTTGCCA GTCTGTGTCT TTTAATTGGG GCATTTAGCC CATTACATT
184301 TAAGATTAAT ATTGTTATGT GTGAATTTGA TCCTGTCATT ATGATGTTAG
184351 CTGGTTATTT TGCCCACTAG TTGATGCAGT TTCTCCTAG CATTGATGGT
184401 CTTTACAATT TGGCATGTTT TTGCAGTGGG TGGTACCAGT TTTCTTTTCC
184451 ATGTTTAGTG CTTCCTTCAG GAGCTCTTGT AAGGCAGGCC TGGTAGTGAC
184501 AAAATCTCTC AGCATTGCTT TGCTGTGAAA GTATTTTATT TCTCCTTCAT
184551 TAGTGAAGCT TAGTTTGGCT GGATATGAAA TTCTAGGTTG AACATTCTTT
184601 AAGAATGTTG AATATTGACC CCCACTCTCT TCTGGCTTGT AGAGTTTCTG
184651 CTGAGAGATC TGCTGTTAGT CTGATGGGCT TCCCTTTGTG GGTAACCCAA
184701 CCTTTCTCTC TGGCTGCCCT TAACATTTT TCCTTCATTT CAACCTTTGGT
184751 GAATCTGACA ATTATGTGTC TTGGGGTTGC TCTTCTTGAG GAGTATCTTT
184801 GTGGTGTTCT CTGTATTCTT TTAATTGAA TGTTGGCCTG CCTTGCTAGG
184851 TTGGGGAAGT TCTTCTGGAT AATATCCTGC AGAGTGTTTT CCAACTGGT
184901 TCCATTCCTC CCGTCACTTT CAGTTACACC AATCAAACAT AGATTGGTCT
184951 TTTTCACATA GTCCCATGTT TCTTGGAGGC TTTGTTTATT TCTTTTACT
185001 CTTTTTTCTC TAAACTTCTC TTCTTGCTTC ATTTCACTCA TTTAATCTTC
185051 AACCCTGAT ACCCTCTCTT CCATTGATG GAATCGGCTA CTGAAGCTTG
185101 TGCATGCGTC ACGTAGTTCT TGTGCCATGG TTTTCATCTC CCTCAGGCCG
185151 TTTAATGTCT TCTCTACACT GTTTATTCTA GTTATCCATT CTCTAATCT
185201 TTTTTCAAGG CTTTTAGCTT CCTGGGTTCT AACATCCTCC TTTAGCTTGG
185251 AGAAGTTTCT TATTACCGAT CTTCTGAAGC CTACTTCTGT CAATTCGTCA
185301 AAGTCATTCT CTTCCAGCT TTGTTGAGT GCTGGCGAGG AGATGCGATC
185351 CTTTGGAGGA GAAGAGCGC TCTGGTTTTT AGAATTATCA GACTTTCTTC
185401 TCTCGTTTCT CCCCATCTTT GTGGTTTTAT CTACCTTTGA TCTTTGATGA
185451 TGGTGACCTA CAGATGCGG TTTGGTGTGC ATGTCCTTTT TGTGATGTT
185501 GATGCTATTT CTTTCTGTTT GTTAGTTTTT CTTCTAACA CCAGGACCTT
185551 CAGCTGCAGG TCTGTTGGAG TTTGCTGGAG GTCCACTCCA GACCTGTTT
185601 CCCTGGGTAT CACCAGCGGA GGCTGCAGAA CAGCAAATAT TGCAGAACAG
185651 CAAATATTGC TGCCTGATCC TTCTCTGGA AGCTTCGTCT CAGAGGGGCA
185701 CCCGGCTGTA TGACGTGTGA GTCCGGCCCT GCTGGGATGT GTCTCCAGT
185751 TAGGCTGCTC GGGGTCAGG GACCCACTTG AGGAGGCAGT CTGTCCATTC
185801 TCAGATCTCA AACTCCGTGC TTGGAGAACC ACTGCTGTCT TCAAAGCTCA

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185851 GTTGGAAATG CAGAATCACC CATCTTCTGC ATCACTCGCG CTGGGAGCTG
185901 TAGACTGGAA CTGTTTCTAT TAGGCCATCT TTGTTAAGAA ACTGTTAATT
185951 ACCCTTGCCA AAAAGTCAAC ATCTAAATGT CAAGATGTTT CTTAGTACTA
186001 GAAGAGGCCT GGAATTCTAC TGTTAGGGAC TTTTGCAGCC TGCATGGAAG
186051 ATCTGAGTTC TGTTTGCCAA CTTTATTCTC TGTCAGATTT CAAGTGTCAA
186101 AATAATTCTC CTGTTAGATC CTGTGATAGT TAATTTTATA TGTCTATTTG
186151 GCTAGGCCAT GGTAGTTTGG TCCATCACCA GTCTAGATGT TGCTGTGAAG
186201 GTGTTTTTAA GATGCAATTA ATATTTTAT ATCAGTAGAC TTTGAGTAAA
186251 GCAGATTACT CTTGATAATG TCATAATGTG AGTGGGCCTC ATCCAATCAG
186301 TTGAAAGCTT TAAGAGAAGA AGACTGATCT TCCCCAAGA AGAAGGAATT
186351 CTGTCTCCAG GCTTCCTTG GACTTAAGGT TGCAACATTA ACTCTTTCT
186401 GAGTGTCCAG CCTGTTGCCC TACCCTCATG GCCTACCTTG CAGATTTTGG
186451 ACTTGCCAGC CCCATAAAT GCATGAATGT GAACCAACTC CTTAAACCCC
186501 CCATGCCACC CATCTCCACA CACACACACA CACACACACA CATCCCATCT
186551 TGCTGTGTTA AGTTTGCCCTC TTCACATTGG TGAGCCGAGA ATGCTTTAG
186601 GCCAGCAAGC ATGTTCTAGC AGTTTCCTGA CTGCCTCCAG ATGGCCGGTT
186651 AACAGAAGGG TGCTGCCAAT GGGAGACAAA TGTTTTCCAG GAGACCAGAG
186701 GTGGAAAAGA GAAATTATGA TGTTAGGATT TTATTGAAGA GAAACTCTCA
186751 TTTGGCTTAC AAGGTGTTCT GTCTGCCAGC AATTATACAA GTTGCTAAGT
186801 GCATTCCAAT GTACATGACA GAACTTTGT TAATGAGAAA ATACAACGAG
186851 AAAAAAGTAA AAGAGAGGAG GGAGAGGCCG CCTATGGTAG TAATTTAAAT
186901 CCTTCAGCTG TGGTGGTCTT AGTTAGAATC TTACTTTTGT GCAAAATTTT
186951 GGTGGCCAGG AACAGAAATC AGTGGTCTAT TCTTTTACTA CTCTAAGTGT
187001 GGTTTGTGGA CTAGCAGCAT CTCCATCACC TCGAAGCATG TCAGAAATGC
187051 AGAATCTCAG GCCCTACTCC AGTCCTGCCA ATCTGAACCC AGAGTTCATC
187101 AAGTTCCCCA GATGATTCAT GTGCACACTG GTTGTAATGC AGTACATGTT
187151 TTTGTCCCCC CAGATTCATC ATATTGAAAC CCTAATCCCC AGTGGGATGA
187201 TATTTGAGAG TGAGGCCTTT AGGAGGTGAT TTGGTCATGA GGGTAGAGCC
187251 CACAGGATGG ATTAGTTCC GTTGTAAGTA GAGACATGAG AAAGCTGGCT
187301 TCCTGTCTCT ATGTTTCCAT GCTCCTCCAC CATATGAGGA TACAAGAAGA
187351 GGACAGCAGT CTGCAAATCA GGAAGGGAGC CTTCAACCAG AACTGAATC
187401 TGCCAGCACC TTGACCTTAG ACTTCCCAGC CTTCAAACT GTGAGAAATA
187451 AATTTCTGTT GTTTAAGCCA CCTAGTCTAT AGTATTCTGT TACAGAAGCC
187501 CAACTAACT AAGATATTGG TCTAGTTTAT TACTCCTGT CGTAAATTTG
187551 TAAGTCTTAA TGCAGAAAAG TAACCTGAAA TCATTCAAGT CAGGCTCTGG
187601 TTTTAAGGTT GTGAGTTAT CACCATCCCA TTCTACACGT AAGACACCTA
187651 AGGCCTGGGA GCTTAAACCA GTTGCCCTAAA GTCATAGAAC GAGTTGCTT
187701 CTGCCTCCAA ACACAGCACA TCCCCTATG TACCAAATTT TTCAGAGTCT
187751 CTGTGAAGTC TTTCTACATT TCTCCTTGAC AGAATGAATT TCCTGGCCTG
187801 AATTCATTTT TCTGAATTTG GGGGAGAAAA GACAAATGTT ACCTTGTCAT
187851 TTTGCTTTT ACTCTCTAAA GCAGGAAAGA AAAGTTTCAG GGAACATTA
187901 CAGTTTTCCT TGAGGAAAA TCATCTTGAC ATATAGGATA AAAGTGCAGA
187951 CTCTAGAGCT TGAGGGAGAC CTATTTCCAA AAGGATCATG GAGCTTATTT
188001 CTGTCACGTG AATGTGCGTG CATGTGTGTG TGTGTGTGTG TGTGTGTGTG
188051 TAGCAGGGAG TGGAGAGCTT TTAGTACACT CAGTCAAATA TAGAGATGTC
188101 ACTTAGAGAG GCACTTACAG CAGAACCCTG TGTCCTATAT ATAAAAACA
188151 GTACTGTACT GTACTTAATT TAGCCCTCCA GAAAGGGTCA TGAATATGCA
188201 TTTTGTCTAA GAAAATTATT TCTTTTCACA ACCTCATGTG TGATGCTGTA
188251 GGCTAAGCTA ATCAATGTAG TTAAATTAG CCCTGGTTTT GAAAGTTTGT
188301 TTTAGAAAAG GTCACGGTAC TAACCCTATA GTTTATTGTG TGAGGAAAGA
188351 AAGCATCATG GCAAACCAAG CAACTGATGT GCACCCCAT CCTAAGAATA
188401 TAAACATATT GTTTGTATTT GAGGTTCACT TCCACTGCA GTTAGTGATA
188451 TTATTCTCAA AGTTGACTTG ATTCTGCTG TGCTGTGAAA TATACAAGGA
188501 CAAAAACCA AACACCGCAT GTTCTCACTC ATAGGTGGGA ATTGAACAAT
188551 GAGAACACTT GGTACAGGA AGGGGAACAT CACACACCGG GGAAGTTGT
188601 GGGGCGGGGG GAGGGGGAAG GGATAGCATT AGGAGATATA CCTAATGTAA
188651 ATGACGAGTT AATGGGTGCA GCACACCAAC ATGGCACACG TATACATATG
188701 TAACAGACCT GCACGTTGTG CACATGTACC CTAGAAGTTA AAGTATAACA
188751 AAAAAATATA TAAAAAAGAA AGAAAAGAAA GATATTGTCT ACCATGGGGG
188801 TGTGGGAGGT CTGTGAGCTT GCCTTTCTCT GGGCAAGGGG GTTGCCGAGA
188851 AGGCTGGGGT TGGGCATTTA TTCAACCTGT GCATGTAGAT ATGGTGATAA
188901 AGAAGGCAGA AAAGGGCATC TTACAGATGA GAAGATTGTA TTGGATACAT
188951 CCTTTGATAT GGCACCTCAGT TACATGAAGA GGCTTAGGGC TGGGGTGCGA

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189001 TGGAGACACT ACCTCTCCCC TGCTACATCC ACAACTGTGA GAGCTGGAGC
189051 ACTTTCAAGG GCCAGGAGAT TCTGCCTTCT CTTTGCAGAG GTGGGGATTG
189101 GTGATGGTAG ATGGTGTGCT GGCCAGGAGA GGAAGTGAAG ATCAGAGAGG
189151 TAAAGTGACT CACATCCCAG AGCTTCAAAG AAATCTGGCC AAAGTGAAG
189201 CGGAGGCTGT GCCCCTCTAT TTAGAGAGGT GACAGCCTAG AACAGTGCTG
189251 TCCAGTAGAA TTTTCTGCAG TGTGGGAAAT ATTCTATAAT TTTGTCACAG
189301 GTGACTATTG AGCACTTGAA AAGTAGCTAG TGCAACTGAA TTTGTCATTT
189351 TATTTAATTT TAATAATTTT AATTCAAATA GCCACAAGTG GCTAGTGCTT
189401 ACCATATTAG GTCAATTCTA AAAGAAGTGG TACTTTAAAG AGATGAAGTG
189451 GGAAGCAAG AGTGAATTCA GGGAAAAATA CAGAGTTCAG GTTATGAAAG
189501 CCAGGATTCT GAAGGTACAT ATGAGAACTA TCTGGAAAGC ATCAGAAAAA
189551 TAAAGCTTCC TAGACCCAGA CCAGGACAGC CCAATCAGAG TCTTTTGGTA
189601 CATAACCTTT AAATGAGATC TACCATATTC ATTGGTAAGA AGAGGCAGAT
189651 CTGGGAATGT GGGTTGCAAA TGATAAAAGG TCTTGCCTGC CAACTTAAG
189701 ATTTTATACT CAATTTTATT GGCAGCGAGG GCCTCATTTA AAGGGGAGAG
189751 TCACATGGTG AGTGCATTAG GCAAGGCTTG CAGCAGCCTG TGTAAGACAT
189801 GATGCCAATG GAAGATAGGA GATGATTGCA GAGCTGAGTG TTAAAAGATA
189851 CCTGGAGTAT TCATTTCTCC CTCAGAATAT GAGTGTGTTT ATTTCACTGG
189901 GGGCTGTCCA TATTCTTCTC TGGCTTGAAC ATTGGTTCAA AACATTCTCTG
189951 CAGCAGCCTG TGTAAGACAT GATGCCAATG GAAGATAGGA GATGATTGCA
190001 GACCTGAGTG TTAAAAGATA CCTGGACTGT TCATTTCTCC CTCAGAATAT
190051 GAGTGTGTTT ATTTCACTGG GGGCTGTCCA TATTCTTCTC TGGCTTGAAC
190101 ATTGGTTTGA AACATTTCTT AGCAAATATG CTGCTGCATG CCTCCAGTCC
190151 CACTAAATGT TACGGTGATT GAAAATTACA GTTGCTTCCC TTGGGCGCAG
190201 AGGGGGCTCT TTGTAATGAA ATAGAGATGC AGCAGCCATT TGGCATGTGG
190251 AGTAACAGCT TCTCTGGGAC CTCCAGCAGG GGCCCATGGT ATCATAAAAG
190301 GGGATGAGTC ACCAGGGAAA GGAACAATTG TGGGTCTCAG AGTGTGCCCT
190351 TCCCTCTCTA TGACTTCTGA GCTCCAATGA GCAATCTTAA CTGCTGTCAC
190401 CGGGAAGTAG GACACCGTGA ACACAGTGTT CGAGGCCAG CCGATGACTC
190451 ACTGCATAAC TCTGATAAAC TATTTTCATGG TTCACAGTGG GGAGAGAGAT
190501 TGCTTTTAAA AATTGAAAAG GAAAAAATAA AATACAATAT ATGTTGAATT
190551 GAAGTTTGA GATGGATAAA ATGCCTTTTC CCAAACAGCA AAGTATCAGA
190601 AGAGTCAGTT TTTTTTCTTT AATAGTGCCG GGGTAAGGGC ATGGGGGAGG
190651 GAGAGACTGG GTATCCTTAT AAGCTGCTGG GAGAATGGAA AGCTGGGGTT
190701 TTAGGAGTGG TTTTATCTTT GTTGGGAGAG TTCAGCTGTC ATCCTGAAGG
190751 ACAGGTGACC TCTGCCTGGG AAGTGTTTTC CTCTAGCTAT GCTGTTGGCC
190801 CTTTATGTGT ACAGTTACAC ATCACTTAAA AACGGGGATG CGTTCAAAGA
190851 AATGTGTCCT TAGGCAATTT TGTCAATTGAG CAAACATCAT AGAGTGTAAT
190901 CCCACAAACC TAGATGGTAC ATTTATGCTA AGTTTCGGGT GAATTTGGCG
190951 TCTTACAGAG CACATGATCG GCCACCATCT CACTCTGGCC CCTCCCCTC
191001 TCTTCCCTC CACCTTCTCG GAAACAGGGCC AAAGCCCCTC TCTTGTTCCT
191051 TGGCAGAAGG GATCATATCA TTTTCTTTCC CTGCACTTTT ATTAGGTATT
191101 TTTCTAAATA CATATTTCTT AAAAAAATTC TCACAACAAC AATTATAAAA
191151 GCGAATCTTT CTACCTACTA AATTAATAAG TGCCATTTTA TGGAGCATCT
191201 ACCATGTTCT GGACATTATG CAAGATGAAG CATTTTAAGA AGACTTTGAA
191251 GAGGGCCAGG AGACTAAACC TCCAGAGAGA AAAAAATTTA GTCATCTGAG
191301 ATGTAATTGA TATCTGACAA AGGACTCACT TTAGCAGTGC CACAGATGTG
191351 GGCTCTATTA TTTTCTTGAA GGTCTGAGGA TTAAAGTTAT AATATTAAAG
191401 AATGTGACTT TGCTGGCACC TGACTATTTT TCTTTAAGAG ATGTTTATCT
191451 CTTATCCTTT ATATTTTGTT TTGTAACCAT GAGTCAAGAT ATTTTATTA
191501 TAATGTCCAA GTCTTTAGAT GGGTTCTTTA GAAGCACAGC CTGAGATGGG
191551 TATCTGGTGC ATGTATCTTA TTGTGGAGAG CTCTAAGGAT GTGGGTGTGT
191601 GTATATAGAG TTTGGTGTGG GGTGGGGGGC TGTGTCCAGA TAAAAGGAGC
191651 TGAGCAAGGA TGTGGTCTCA GCTGGAGACT AGCCTCAGTC TGCTCACACA
191701 GGGAGCTCTG GGGCATGAGT AACACCACAA AGATGGTTTT ACCTTAAGTC
191751 ACTCGATCAT TGGCCAGGAC TGCCCTGGG GCAGAGATGT GGCATCATCT
191801 TTTCAGTAAG GAGGGCTTCT TTGATCCAAG AACAATTCTG TGGAGAATAG
191851 AGTATCTGTG TGCTGTCAGC AACTGTTATA GGCTTCACTG AGTCCCCGCT
191901 AAAAGCCATA TGTTGGAGCC CTAACCCCCA GACTTTCAGA ATGTGACTGT
191951 ATTTGAAGAC ATGGCTTTTA GAGAGGTGGT TAAATTAATA TGAGGCTGAT
192001 AGGGTGGGCT CTAAGCCAAT CTGACTGTGT CCTCATAAGA AGAGGAGATT
192051 AGGCTTTTCA ATGATCGCCA TTCTAACTGG CATGAGACGG TATCTCATTG
192101 TGGTTTTGAT TTGCGTTTCT CTAATGACCA GTGATGATGA GCTTTTTTTT

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192151 ATATGTTTGT TGGTCACATA AATGTCTTCT TTTGAGAAGA GTCTGTTTCAT
192201 ATCCTTTTGGC CACTTTTTTGA TAGGGTTGCT GGAGAGGATG TGGAGAAATA
192251 GGAATGCTTT TACACTGTTG GTGGGAGTGT AAATTAGTTC AACCATTTGTG
192301 GAAGACAGTG TGGTGATTCC TCAAGGATCT AGAACCAGAA ATACCATTTG
192351 ACCCAGCAAT CCCATTACTG GGTATATACC CAAAGGATTA TAAATCATTC
192401 TACTGTAAAG ACACATGCAC ATGTATGTTT ATTGCAGCAC TATTACAAT
192451 AGCAAAGACC TGGAAACAAC CCAAATGCCC AAAAATGATA GACTGGATAA
192501 AGAAAATGTG GCACATATAT AACATGGAAT ACTATGCAGC CATAAAAAAG
192551 GGATGAGTTC ACATCCTTTG CAGGGACATG GGATGAAGCT AGAAACCATC
192601 ATTCTCAGCA AACTAACACA AGAACAGAAA ACCAAACACT GCATGTTCTC
192651 ACTCATAAGT GGGAGTTGAA CAATGAGAAC ACATGGACAC AGGGAGGGGA
192701 ACATCACACA CTGGGGTCTG TCAGGGGGTG GGGGACTAGG GGAGGGACAG
192751 CATTAGGAGA AATACCTAAT GTGGATGATG GGTGATGGG TGCAGCAAC
192801 CTGGGTGTAG CAAACCATCA GGACGCGTGT GTATCCATGG AACAAACCTG
192851 CATGTTCTGC ACATGTATCC CCAAACCTAA AGTATACAAA AAAAAAAG
192901 AGGAATAAGA GATTAGGACA CAGGGACACC AGGGTATGCA TGCACAGAGG
192951 ATGACCTTGT GAAGAAGCAG CAAGAGGGAA GCCAAGGAGA AAGGCCTCAG
193001 AGGAATCCAA CCCTGCTGGC CCCTTAATCT CCAACCTCCA GAACTCTGGG
193051 AAATAAATTT CTATTGTTTA AATCACCCAA TCTGTGGTAT CTTCTCATTA
193101 CAGCTCTGGC TGACTTAATA CAGCAGCCAA CATGCACAGC AGCTAGCAGA
193151 CGAGGGTGTG CCAATTATAC TTTGGAGTGT GTCTGGGAAG AGAATTTGTG
193201 TGGGGCATTG ATAGTAGCCA CTACACCCAC TTACAAATGA GAACACCGTG
193251 ACCCAGAGAA GTGAAGTAGC CCACCTGAGG TCACACAGCC AATAAGCAAC
193301 GGAGGCAGAA TTTGATTGCC ATCTGACCTT ACAGGTGGTC CTCCTAGTCA
193351 CTACTTTGTA TCATCACTTC TGTTGCAAGG CAGTTTTTCT CAGAAGCAGC
193401 AGATGTCACC AGTTAACTTT GACTTCAATT TCTTTTGGT TTTTGTGTTG
193451 TTTTGTGTTT TTTTGTGTTT ATCTAAATTG TGCTTACCTT ATACAAAATG
193501 GAGCTTCTGG GGGAAATTGA GGCAACTCAG CACAATGCCT ATGTCTGTGT
193551 GTCTTCTCAA AGTATTGACT TTTACCTTAT GTAAAAGGTA AAAAAAATC
193601 TTATGGTTTT GGGGACGTTG TAGCATATTA ATCATAGGTT TCCTATACAT
193651 ATGAGAAAAT AATATTTTTTA TTTTAAATGT TTTTATTAAA AATGAATTTG
193701 AGCAGTTTTT CACACCCACA AATGTTATTT TTGGGAAATT AAGAAATGCT
193751 TTGATGGCTG TCATGTTAAT ACAATAATA ACTGTAATCA TTCTAAGCAC
193801 TGCCACTCCC AATTTGTAAT GAATGAACAT GGTCTTCATA GAGGCCACAT
193851 TGAGATACAA GAATAAATCA GTTTGTTCTT ATTAGAGCCT TATAATAGCC
193901 TTGTTCAGTA TTTTCTGGCT TGGTGTAATA AAGCCATTAC CCTCTTCAGA
193951 AAAGTAGAAA AGAAAGGACA AATAGAGATG GACATCTTTT GGTAGCTGCC
194001 TTCTGCTGAG GGCTCCCACC ACCCACCTC TGTCTGCCCC ATGACAGCCA
194051 GCTCCGCAAA CTTTAATGCT GAACTATGAT TAGATATGCA GAGAGAGGCA
194101 GGGTGTCCGG GGCAGACTCT AGGGCACCTG GAGAAAGCTC CAGCCTAACA
194151 GCATTGTGCTG TCACACTCTG GGTCTCTCTG ACTGAGTTCT GGGACTTGAC
194201 TGAGTGGGCC CGAGGATGT AACTGGAAGT TTTAGTACGA TGAAGACATT
194251 TTTTGGGCTT CGAAGGTATG ACTACATCTG AGATATAAGT TCAAAGTATG
194301 TGAAAAAGAG GAAAGGGGTG GGGGAGTCTT AGGAAAAACA TCTGTATCTC
194351 CTCTCTCTCC TCAGCTTCCC CTCTCCACGT TACTCTCCCA AAGGATTAGT
194401 TAATTCTTTG TATATGATAT TATGTGGCAA TTTGAAAGTC CTTATCTCTT
194451 AGAGATTTAT GTACTCATTT ATTACAGCAAG AAGTTTTGGG TGTCTGCTTT
194501 GAATCATGTG TTGGGGATAC CATGGTAAGC AGGATGGGTG TGGCCTCTGC
194551 CCTCCTGGAG CTTACCATCT ACCTGGAATA TTAGAAGGGA TTTTATTTC
194601 AGCAGACATA AAGTGCCAGT CATTGTGCTG AATTAGTGGT TCTCAAACCTT
194651 AAGGGTGCAT CAGGATCACC TGGAGAGCTT GTCAAACCAC ACATTGCTGG
194701 ACCTTCATCC CAGTTTCTGA TTCAGTAGGT TGGAGGTATA GGCAAATTTG
194751 GAAATTTTTA TTTTAAATAA GAGCCCAGGT GATGTTGTTT TTGCTATTCT
194801 GGGGACCACC CTTAAGAAC CATTCTGGGA AGCCTGTCAC ATGGATTTCG
194851 TTAAGGCATT CTAATGGTTA AAACCATCTG GGATGGTGGT GGGCCACAG
194901 GCTGAGATCT TCTAAATGTC TAAAAGGAAC TAAGTTCCTT TAGAGGAAAC
194951 TTGGTTTTCT CTTACGGCAA AGTTCCTGTT TTATGAAAAC ACTCTTTTTT
195001 AAAAAAATTG TTAATGTATA TCTGGATCGT TTTAGCAGTT TAAAGAGCTA
195051 ATGCAGTAGA TGAAGTGACA GGGAGTTTTT CATTTAACAG TTGCATCTGT
195101 ATGTCATTTT CTCCTCGAAG GTTCTATAAG ATAGAGCAAT AGTTCCTCAA
195151 GTGTGTTTCC AGACGAGTGG CATAGTTAGA AATGCAGAA CTCAAGCCCC
195201 ATTCCAGACC TACTGAATCA GAAACACTGG GTGTGGGAGC AAGAATCTGT
195251 TTTAACAAGG CTTCAGCTG ATTCTGAGGC AACTCAAGT TTGACACATC

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195301	TGAGATAGAT	GGTAGTGAGA	ACTAGGCTCA	GGCTGAATCT	GATTCTCCCA
195351	GCTCCCTTAA	GACGGTTTAC	CAGGATGACT	AAGCTTCAGT	TTTTCTATCT
195401	CGTAAGTCAA	AAGTCTATCC	CTTGTTGTCT	AATATCTTTC	AGAGCTACAA
195451	GAAAGATAAT	CATGACCTTT	CTGAAATGGT	TTTACTAGCA	AAGATGAAAA
195501	TTTCTAACTA	ACCATAAATA	GACTTATTCA	GTGAAAGAAA	GGGGATTTCAG
195551	ATGCAGCAGT	GTGACCTTCG	GTTGGTCATT	AGCTTGTCTG	AACCTTACTT
195601	TTCTATCTG	AAAAGTGGGC	AGAAAAATGT	CATTCTAGTC	TACATTGAAG
195651	AGTTGTTGCA	AAGATCAAAT	GGTATCTTTG	TGCTATTAAA	TGGTATCAAA
195701	TTTTTGTGGT	ATCAAATGTA	TATCAGCATG	CTTTTTAAAC	TGTA AAATGC
195751	ACACAAATAT	AAAGATTATA	ACTTTGGGCT	GCTCACCTT	AGCTTTGTTT
195801	TTTTCTATCA	ACAAAATGGG	AGTAGTTGAA	TTACTTATAC	CTCTATGGA
195851	ATTTTAACTA	ATTTAGACAA	CTAATAGCAC	AGTAACTCGA	GCTCTTCTAA
195901	GGTAAAGTTT	TTCTTACGTT	TATGTTTTGT	CTTTAACATA	CAAGGTTGA
195951	AATATGTAGA	AATAGTATAA	AATCTTTTAG	ATTTTATTAT	AGTGTATACT
196001	CTTATTTGAA	CTAGTCACAT	TCTAGAGCAG	TGATTCTGAG	AGGGCAGCCT
196051	CCAAACCAGC	AGCATCAGCA	TCAGCTGGGA	ACTTGTGAGT	AATGCAGATT
196101	CTCAGGTACC	ACACCAGACC	TGCTGAATCA	GCAAGTCTTG	GGGTGGGACC
196151	CAGAGATCCG	TTTTAACAA	CCCACAGGTG	ATCCGTGATG	TCACACAAGT
196201	CTTAGAGAAA	GGCATTATT	TGGGTCTTAA	TTGAAGGATC	GCATAAAGGC
196251	CATCATTTTC	CTGGAACAGG	GTGATGTCTT	CGTTTTTCCA	TGATGGATTT
196301	GAAACATCTG	TGTCCAAACT	CGTGCAGCCA	TTATTGGATT	CCTTCATAAA
196351	CACATTCTGT	TACTGCTTGC	CTGGCATACA	GAAGATCTGG	AATGCCACTC
196401	CAGTATACCC	ATTATGAGGC	TGACTTCAGG	GTGCAAGGAA	ATTAAAGCTG
196451	TTTATCAGAC	TCTTTTCCCC	TTAGTGACAG	GAGAAAGGAA	TCTTAAGCTA
196501	AGAAGGCTTC	AAGTTGGGTC	TATGTATGAA	AAACATGAGG	CGTGACAAAC
196551	ACAGTTTGAA	CGGACTTACG	TTTTTTTTGA	CTTTTCCCTT	TGAAAATTGAA
196601	AATGAGTCCT	TTTGTGGGCA	GCACCAAATT	AGTGGTGCTT	ACTTAAGAAA
196651	TACTGGAGAC	AGATTCAATC	CAGTTTGTTT	CATAACTTAG	GTGGCAGAAT
196701	GGCACTTTTC	CCTGGCCACT	TCCTTCCTTC	TTCCCTTCT	AGGAGGAAAT
196751	CTTAGGTAGG	AGAGGGAAAG	GGACTAAGGC	TGCTCTGACA	CAATGAGCTA
196801	CGTTTTGGGA	AGAGGACTTT	AGTGTTTTAA	CAAAAGAAAG	GTTTGTCTGT
196851	GTTGTAGAGA	TATGACTTGG	TCCACTGCCT	ATGTTTGTA	ATAAAGTTTT
196901	ATTGGGACAT	AGCCCACTC	ATTTATTTAT	GTATTGTCTG	TTTTCACACT
196951	ACAAAGGCAG	AGTTGGGTAG	TTGTGACAGA	GACCACGTAA	TCTGCAAAGC
197001	CTAA AATTGT	TTTACTATCT	AGCCCTTTAC	AGAACATATT	TGTCAACCCC
197051	CCTTGCAGAG	GTTTCTTCTG	AGCTGCTTGA	AGGAAACCTT	GACGGAATCA
197101	TGCGACAGGA	AGGACAGTGG	GAGGTGAACA	GTGTGGTGAA	ATGCCTCGCG
197151	GTTCCTGTGG	AGTCCACAGA	AAGGAAACCA	CAGAGAGGCG	AGATTCCATA
197201	TTGCCCATTT	CAGTTGGGTT	CAGTATGGAT	TTTGAGAAAT	TATTCTATTT
197251	AAAATAAATA	AATATTTTAA	ACTTGAGTAT	ATATTTGCAA	TTGTCTAATA
197301	CAGTCATACA	CTGCATAACA	ATCTTTTGGT	CAATGACAGA	CTGCATGTAC
197351	AATGGTGGTC	CAGTTAATGA	AGCTGAAAAA	TTCCCAACAC	CTAGTGTCTA
197401	CATAGCCATC	ATAACATTGC	AGAGCAACAT	AGCACTCAC	ATACTTGTGG
197451	TGATGCTGGG	TAAATAAACC	TACTACACTG	CGAGTCATAT	AAAAGTGTA
197501	TGCATATATT	TATGTACAGT	ATAGTGATGA	CAAATGACTG	TTACTGCTTT
197551	ATGATTTTAC	TATACTTTTT	TTTTTTGAGG	TGTGGTCTCA	CTCTGTTACC
197601	CAGTCTGGAG	TGCA GTGGCA	CGATCTCGGC	TCACTGCATC	CTCCACCTTC
197651	CAGGCTCAAG	TGATCCTCCC	ACTTCAGCCT	CCCAGTTAGC	CGGGACCACA
197701	GGTGTGCGCC	ACCACACCCA	GCTAATTTTT	TGATTTTTTG	GTAAGAGATTG
197751	GGTTTCTCCA	TGTTGCCAG	GCTGTTCTCG	AACTCCTGAC	CTCTGGTGAT
197801	CTGCCTGCCT	CGGCCTGCCA	AAGTGCTGGG	ATTATAGGAG	TGAGCCACCA
197851	TGCCTGGCTT	GCTATACTTT	TTATCATTTT	TCTAAAGTGT	ACTCCTTCTA
197901	CTTATTAAAA	AAAATTA AACT	GTAAAACAGC	CTTGGGCAGG	TCCTTCGGGA
197951	GGTATTTTCA	AAGAAGGCAC	TGTTATCACA	GTAGATGGAG	GCTCCGTGTG
198001	TTTACTTGCC	CCTAGAGACC	TTGTAGTGGG	ACAAGATGTG	GAGGTGGAAG
198051	ACAGTGGTAT	CAGTGATCCT	GACGCTGTGT	ACAGTAGAC	TAGTGTGAT
198101	GTTTGTGTCT	TCATTTTTTAA	CAAAATAGTT	GAAAAAGAAA	AAGAAAGAAA
198151	AAATGCTTAT	TGACTATCTC	CTAGTTAGGA	GAGATATGAA	AAAAAGAAAA
198201	TATTTTCGTA	CAGCTGTACA	ATGTGTTTGT	GTTTTAAGCT	AAGTGTATT
198251	ACAATAGAGT	CAAGAAGTTT	AAAAAATGTA	CAGTAAGCTG	CTTAATTAT
198301	TATTGAAGAA	GGGAAAACAT	TTTTTATAAA	TGATGTGTAG	CCTAAGTCTC
198351	CAGTGTTTAT	AAGTCTGTAG	TAGCGTACAG	TAAATGTTCTA	GGCCTTCGCA
198401	TTCACTCACC	ACTCACTCAC	TGACTCACCC	AGAGCAACTT	CCAGCTCTCG

198451 GTGCTCCATT CATGGTAACA GCCCTGTACA GATGTGCCAT TTAAAAATC
198501 TTTTATACTG TATTTTTACT GTACATTTTT AATGTTAAGA TACACAAGTA
198551 CTTACCACTG TATTACAATT GTCTACAGTA TTCAGTGTAG TAACATGCTG
198601 TACAGGGTTG TAGCCTAGGA GCAATAGGCT ATACCACATA AACATAGATG
198651 TGTAGTAGGT TATACCATCG AGGTTTGTAA TAAGTACACT CTATGATGTT
198701 CACACAATGA TGAAATCACC TGAATGACAT ATTCCTCAGA ACATATCCTC
198751 GTTGTTAAGT GATGCATGAC TTATTTCTTC CTGGTGTGG GTGTTACAGG
198801 AAAAATACT GAGTGTTCG CTTATTTGAT ACATACTTG CATCCATTAT
198851 ACTATGTAAT GTTCACAACA ATTCCATGAG ATGAATATTA TCATCTTTAT
198901 TTTATAGATG AGAAAACTGA AGTGCAGAAA GCTTAAATAA CACAGTGTTA
198951 CAGAGCTATT GCTAGAGGCT TGATTTAAAT GCAGATTTG TTTTATGCC
199001 AAAGCCAGCA TTCTAAAGGA GTGTTTCTGA ATGTTGGCCT CTCTAGCTAG
199051 GTTGGGGTGT TTTTCAAAC GCAGGTTGAG AGGTCAGTTT AGTGAGTTGC
199101 AACCAGCATT AAAAAAATAA TTGAACAGGA TGAAAAACAC CAGAGTGTGT
199151 CATATGTAGT TTGGGTAAAT AGGTCTTGGT GTATGAACT TTTGTTTCGA
199201 CTATAAAGAT ATTTATAAAC ATACATATAT AAGCACATTT CTGTGCACTG
199251 GGCAACAATG TAAATGATAT TTCTTACCAT GTCGTAGTTT GAAAGCCAAG
199301 GGAGTGAGCA AGGAGGAATG AAGATAAAGA AAAAATGGGA GAGCAAGAGG
199351 GAAAAATATG AATGAGTGAG AGAATGAATA ACTGTCAAAG GGACAAAGAG
199401 ACTCGAGAGG GAGAGGAAGT AGAAAAGAGT GGGGAAAGAG GGAGAATGGA
199451 CAACTCAGAG AAAGAGACAC AGAGATTGAG GGAGAGTTGA GGGTGGGCAA
199501 GAGAAGGAAG ACATCATATG GTTCTGTCTT TCATTCCACT CAGCAAGCAC
199551 ATGTCCCTAC TTGATGGCAG AACTGGAGAT CTCTCAGGAG ATTTTAGTTT
199601 TCATACACTT CTCATGCTGT GATTCTCTTG TCGTTCTCAG TGTAAGTAAA
199651 ATGAAGATCT TTATTAACAT GGCTTCTAGT CATTACAGCA AAAAGACACC
199701 TGCACGTTTA TGTTTATCAC AACACAATTC ACAATTGCAA GGATATGGAA
199751 CCAACATAAC TGCCCATCAC TGATGAGTGG ATAAAGAAAA TGTGGCATAT
199801 ATACACCATG CAATACTACT CAGCCATTAA AAAAAGAATG AAATACTGTC
199851 TTTTGACAGA ACCTGGATGG AGCTGGAGGC CATTATTCTA AGTGAAGTAA
199901 CTCAGGAATG GAAAACCAAA TACCATATGT TCTCACTTAT AAGTGGGAGC
199951 TAAGCTATGG GTACACAGAG GCATGCAGAG TGGGATAATG GACTTTGGAG
200001 ACTCAGAAGG GAGGAGGGTG GGAGGGAGGT AAGGGATAAA AGACTACATA
200051 TTGGGTACAG TGTATACATC TCGGTGAGGG TGCACTAAAA TCTCAGACTT
200101 CACCACTACA AAAGTCACCC ATGTAACCAA AAACCACTTG TATGCAAAAG
200151 GTATTGAAGT TCTATATGCA TGTACATATG TGTATAGGTA TGTATATAT
200201 ATATGTGTAC ATACAGACAC GTGCAGGTGT CTTCTTGATA TAATGACTAG
200251 AAGCCACGTT TAATAAAAAAT AATATATATT ATTTCAATAT AAATAATAAA
200301 AATAATAAAA ACTATGGCTT CTCCATAACA GTATTCTATC TCATCTGTTG
200351 CTCAGCTGAA AATCAGTGAT CTGAACTGAT GTGAAAAAA AAAATACGCT
200401 GTGTTGAAAT TGCTGAGAGA AGGTATGAGA TCCCTAGTAC ACTGCTTTCT
200451 AAGGAACTGG CAAAGGCAAT TTTGAATATA TGTAATTTTT GTCTTTTGAG
200501 CTGACTAATT TTTATTCTAC TGTACAGCAG CCTTTTATGT TTTAGTGGGA
200551 AACCATAGAT AACAACACA TTTTAACATC TTCTATTTCC AGGGAATTCT
200601 ACATCCATTA AGTATCTTAC TTTCAAAGGA TTCTGGACTC ATTTAATGAA
200651 AAGCCCATTG GTACAGACTT GGAAATTGAG TGAACATTTG TATGAACTT
200701 CCCTGCATAC CGATGCTTTC ATGAGAATTC TATTACTCAA TCTCAGCAGC
200751 CACTCTACTA GATTACACTT ATGTTAATTT TATCACAGAA ATTCGAGCTC
200801 TGTGAGTTTA AGTCTCTTGC ACAAATTTTC ATCTAAAAAG TGGAGAGCT
200851 AGATTCTAGC CTTGATTTTC TGACCCCAA TTTTATATT TTTCCACTAG
200901 ACCAGAAATA GCAACAATAG ATTGAAAAAT AATGTGTTAC AATTTGGAAG
200951 AAAAATTTTA ATTTTAAGTC TGAGTATGGT GCAAAGTCTA AAATGCCCAT
201001 TGTTTTGCTG CAGCTGAGTA TTCTAATTTT CTCCTCCCC AGCCCAAGGG
201051 TAGTTGTTTG GGTAGTTCTT TATTTCTAGC CCCCATTAG TAAATTATAT
201101 TGTTATGCTT TCTTGTGATC CATTATGCTT CTTTCTTCTC TGAAGATTGT
201151 TATAAACACC AACTTTATTC TAGTTACTAA CAATGTTGCA TCAAGTAACT
201201 TGGGTAGATG CTTATTGTCA TCAGCTTAGG TGGGTATTCT TTTTAAAAAT
201251 AAGTGCTGAA TGTAAGGTTG AGTAAGTAGG ACCCACCAGA GTGAACTCCA
201301 TCTCAAAAGC CATCATTACC TGTTAGAAAA GAATTGTGTT TTTCCAGCT
201351 TGCCAAAATG ATGCTGCTAT ATATCCTATT CATCTGTTT GGTCTACCA
201401 GTAACATTTA AAAAAAAGA AATATCTAGG AAAAATGCTG TGGTAGTTTT
201451 GCTCCAACCT CCTATGCTAA AAACCTTATG TGTGTTGTGT AATAGGACCC
201501 TTCACCCAGG ACATCTGTC CTACCTTGC CCCTAAATTT CCTATTTTT
201551 AATAAGGATT CATGCCCTCA AATGTCAAAA TGTTAAAGCA TATTATTTAT

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201601	TCTTATTTAA	TGATTTTTTT	CTTACCTTCA	AACGGTAGTT	GCTAATGGAA
201651	ATGTTCTCTC	TTTCTCTAC	TGGTTTTATT	TTGCTGAGTG	TTTATTACAT
201701	TCAACCAAAT	ACTTCCAGGA	AGCTGAGATT	CAGCTCTACA	CTCCATGGAA
201751	GCTTTGTCAA	CGCAAGCAAA	ATATACATCC	CTGTGAAAAG	ATACAGTATT
201801	CTTACCTCAT	TATAATTTTA	ATAACTGGTA	GTATCTGACT	GTTTGTTCAT
201851	TATTTTCAGAG	ATCCCAGAAAG	ACCCACTTGT	GGCTGAAGAG	TACTACGCTG
201901	ATGCATTGGA	TTCCTATTGT	GTAGAGAGTG	ATGAGGAGGA	AGAAGAAATA
201951	GCGTTAGAAA	GACCAGAGAA	AGAAATCAGG	AATGAGGGAT	CCCAGCCTGC
202001	TTACAGAACAA	AACCAACAGG	TATGTAATGC	TCCCTGTCGG	AAGCCATGGA
202051	ACTGTTCAAG	GTACTGATTG	GACTCTCCCA	GAGAAGAAAG	GAAGTCTTAT
202101	AAGGTGAAGT	TGGGGACATG	GGGAACAGGG	TTATTATAAT	AGCTACTTGT
202151	GGTAAGTCTG	GCTTTTCAAG	GTCCAGAGGC	AGGCAGGGCC	CTATGGAATT
202201	TGGAGAACTCT	GATCTGGACC	ATGTTGATGG	GGGAAGAACT	GGAGCATGCT
202251	GCACTTATTT	GGGGGGTTGG	GAGATGGCAC	ACACCATATT	CCCACTGAGG
202301	AGGGCTTCGT	ATACAGCTAT	TGAATTAAAA	AATGCAAATA	TCTCTTTAGC
202351	AGAGAGAAATG	GCACTTTTTA	TATACTTTTC	TGCTGTGTA	TCATATTTTG
202401	GGGTCATATT	CACAAATTGA	ATGCAAATAA	AATTTGTAAA	GACTGACTTA
202451	GTTTTGGGGA	TCAGAACCAA	AGATCCTGGG	CTTAGGGGAT	AATCTGTCTA
202501	GCTACTTTTA	GCCTCTGAGG	ACACATTCTT	GCTTAAGTGG	TGAAGTCTCT
202551	GAGTATATGC	CCTATGCCCT	TGTAGTAGAT	CTCTTTTAAC	TATAGCAAGA
202601	TTAAGCCTTA	TATGGGCCAT	AGGTCAAGAA	ACACCCTGA	CATGTGCTTT
202651	CAGTGTGAG	TGTCTGCAAC	AGAGGAATAA	AAAGCAAGAG	GCTTATGAAG
202701	ATGAAGGGGA	AAGCTTTGGG	CAATGTGCAT	ACATACCTTC	TTTTCTTGCT
202751	TACCTTCCAA	TCCTAAACTT	CCATGAGTTA	CAGAAGCTTT	TGTTAACTGA
202801	GAACCATGCA	GCTACTAAAA	TAAAAGTCTA	CCAAAGGGCA	CATGAGTGAA
202851	GACTCAGGTA	GAGGAGATGA	TTTTTGGAGT	GAAGATGATT	CACTCCAAAA
202901	ATCCATTCAA	CCATTTTTTA	TAAAGACTAT	GCAATATATC	ATAATATTCA
202951	ATCCATTTCAG	CCACTTAAAT	CCATTCAACC	ATTTTAATAA	AGATTATGTG
203001	TCATAATATT	CAATAAATAA	AAGCAGTAAG	AAGTGCTCTC	CAATTTGATA
203051	TTAAGAGAGA	GAGGCAAGTG	AAGGGTACAG	GTATGGGGCC	AAGCAAAAAA
203101	AGGGATGAGA	TAAAGAGGAG	AAAGAGATGA	AGAGAAAGGA	TTAGAGAGAG
203151	ATAATTTAGG	AGACAAATAC	ATGAAGAGAG	AAACAAATAC	ATTTGGAGAA
203201	AAATACAGCT	AAAGGGGGGA	TTCAGAATGC	CAAAATAAAA	ACTTAGCTTA
203251	TACCGTTTCC	CCATTTTTTT	CCAACGGAAT	CTGGAAAACA	ACAGCACCTC
203301	CTACCACAAA	TCGAAAATAT	AATTTCTACT	ACCTTCTGAG	CCACTGTCTAT
203351	AAACAACGTG	AACGGATATT	ATTGCAGCAT	TACAGAGCCT	TCATTCTGGG
203401	CCTATGGTTG	CAAAACACAT	GATATGCAAA	ATACATACAG	TGCTCAATTT
203451	TTGGTCAAAG	CATCAAGCGG	TAAAATTTTA	GCTACTAATA	TTCACTTAGA
203501	AATGTTTTTT	AAGAAAATAA	AACAGATTTA	GAACCACATG	AATAAAATAC
203551	TATATGGCAA	ACAGCTCCTA	GGTCAGGAAA	TACAATTTT	CCAGTCTCAG
203601	AATATCCATC	TTTGGCACTT	AGAATATAGG	GTTGGAAAAC	AGATTGCTTG
203651	CATGTCTTTA	TAACCTGCAG	TTTGCCTGAC	CTTGTTCAAA	TTACTGAACT
203701	TCCTGTGCC	TCAGTTTTCT	AATCTGTAAA	GTGGGAGAAT	AATGGTTTCT
203751	ACCTCACAGA	GTGGTTTTGA	GGATTAAATG	AAGTAATCAA	TATAAAGTAA
203801	TTAGAATAAT	GCTCAGAATT	TAATAAAATA	CTTCATGAGA	TATTAGCTAT
203851	TATTATTATG	AAGTTACTCA	GTCAAGGTAT	CCAGTACCTC	TTTATGATAC
203901	TGCCAAAACT	CCTTAATGTT	AAAGTGAGAT	TTTCTAACTT	GCTTTTAAGT
203951	AATTTTTTAA	AAATTCTTTC	TTATTAGTCT	TAAGGCAGAT	GATAAACATA
204001	AGGGCAGCAG	TTTTGTCTCT	TGGGTGTGAT	ATCTATCACA	TGTTACATGA
204051	CAGATTGTGA	TTGATTTTAA	GTAATCTATT	GGGACAAGAT	GCTAAGGCCT
204101	CTCATATGGT	TTGGCTATAT	CCCCACCCGA	ATCTCATCTT	GAATTGTAGC
204151	TCCCATAATT	CCCATGTGTT	ATGGGAGGGA	CATGGTGGGA	GATAATTGAA
204201	TGATGGGGTG	GTTTCGCCAG	TACTGTTCTC	ATGGTAGTGA	ATAAGTCTCA
204251	CGAGATCTGA	TGATTTTATA	AGGGGTTTCC	TTTTTCACTT	TGCTCTCATT
204301	CTCTCTTGCC	TGCAGCCAGG	TAAGACATGG	CTTTCACCTT	CCACCATGAC
204351	TGTGAGGCCT	TTCCAGCCAT	GTGGAAGTGT	GAGTCCCCTA	AACCTCTTTT
204401	TCTTTATAAA	TTACCCAGCC	TCACGTATGT	CATTATTAGC	AGTGTGAGAA
204451	CAGACTAAAT	ACAGCCTCTC	ACATACATGG	TGGTATTTTG	TCTCACAAAC
204501	CCTGTTGGGT	AGTTATCTTA	TTCTATTTTT	CTTTTTTTTC	TTTTTTTTTT
204551	TGAGACAGTG	TCTCGCTCTG	TTGCCCAGAC	TGGAGTGCAG	TGGCATGATC
204601	TCTGCTCACT	CTAATTGAGG	AAAGTTAGTT	TCTGAGAGAG	GTGTAGCCTT
204651	CCTGCGGTCA	CGTAGCTAGG	CAAGGATCAG	ACTCATGCCT	CAGGCCCA
204701	TCAGTCACAT	TCTCAAGTCA	ATGTTTTTGC	TACTATAGAA	TATATATTGA

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204751 CCTAGAAATGG ACTTGGCATA AGGGAAACAG AANNNNNNNN NNNNNNNNNN
204801 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
204851 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
204901 NNNNNNNNTGT TGCCAAGTCC ATTCTAGGTC AATATACATT CTATAGTAGC
204951 AAAACAATA CACAGTAGAG CAATTTGTAT AGATTAGCAA AAAATAGAGT
205001 AATTTGTTTA GAGTAGCAAA AACAATTACA CAATAGAGTA ATTTGTATTA
205051 GAGACAGGTA ATTACAACCC CATTTGTTTT CTCCAGTAA TTCAATGTAG
205101 TTTCTCCTTC CCCAAAGGTG ATGAATGTGG ACTCTTCCCT TTCAGGTTAT
205151 TTTCATTAG AACATACAAA TTACACTACA GAACTCAGTC ATGGTCAACT
205201 TTGTGAATTG AGAGAGACCT GCTGCCATCT CTCAGATTGG CCTCTTCTCC
205251 CCTTCCCTG GTCTTGCCCT GGACCTCTGA GTGTGCCAGG GTCTGCTTAG
205301 ATGGTCATCA CACAAATGCC TTCTATGTGT GTAATCAGAT CAAAGTTGAT
205351 TCCCCTTCCT TTAGATGGAG CCAAAGTCAC ATAGTTATTT TGATGAAAGA
205401 AGTGCTTTCA AAAAGAAACA CAGCCATGGA CTTCATTGAG ATTGATTACT
205451 GAGTTCTTTG TGCCACCCAT GACAATCTTT TTAGTAGCAG TGTCTCCAA
205501 GCAGTTTAT TAAGCACCTA ATTGCTGATG ATTGCCAACT GTTCTCTGTC
205551 TGTGATAAGC ACAGCATCAA TAAAACCTTT ATCACAAGCC ATTATCATAT
205601 TGTTGATGGC TCCTCTGCCA AGTCTGTGGT CACTGAATTG GAGCCAGCAT
205651 CTTAGATCTC AGGAGAATTG AGTTTATAGC TGCCGTCATA ACAGGGTTCT
205701 CCACAACACT GTTGCAACCT GTCATAAAA AGTGTTTTAT GCGCTCTAAT
205751 GGACATGGTT TAGGGCTACA GGCTGACGAG TGTTTTTACA GACTCTCTG
205801 TCTTTCCTTT GCTGCCTTGA CTATCATTTT TCTCTCCAAG ACTAATAAAT
205851 GGCTCAGATG CATCCAGTAA TACACATACT AGGTGGACAA TAATGACTCG
205901 ACACAAATCT TCCTCGGAAG GGCTTTGTTT AATGAATGTG GCTGTCACTG
205951 AGGCTTGTTT TAAGAAGGCT CTTCAGGACT ATGGTGTTTG TTCTTCCTAA
206001 GATGAAAGGC GGCAGAGTTC CACTATTCCA GTTAATTCTG AAGTTCTCAA
206051 TGCTTTTTTC CCAAATCATT CAGAGGTTTT GAAATTCCTA GGAAAAACAA
206101 TTGATTTTCT TCTTGGAACA TTGTCCCGGG GCAGAGAACT GGATATGCGA
206151 TAGGCAAGGC CTGAGATTCT GCTGAGGACC CTTGGATCTG ATTGTCATGA
206201 TGGTAGGTGC CTCCAAGAGT TCCTGCTGTT AGTTGAGTCA TTAGTTTAAT
206251 CAGATCATAG TAATGATAAC AGTAACAGCT AGTATTTCCA GAATCTTCAT
206301 TCTATGCTCG GTACTTTGCA TGCTGTGTCA GTTCAGGTAC TCCAGGAAGC
206351 AGGTGATGAG ACAGAATTAG AAATAAAAAG GAAATTCCTA TCAAGTAGGT
206401 GGGAGGAGTC TTAAACCATA CTGATATATT TGAGGGGAAG GAAGGAAGGA
206451 AGGAAGGAAG GAAGGAAGGA AGGAAGGAAG GAAGGTGGA TGAGAACCTC
206501 AGGCTGCAGT GCAATTCTGA TAAAACCTTG GCAGGCAGGC TGGCAGGCAG
206551 GAAGGAAAGG TAGGGAAGGA GGGAGGGAGG GAGAGAGAGA GGGAGCAATT
206601 GGATGGGAGC CTCAGGCTGC ACTGCAATTC TGAAAAAGGT TTGGCCCTGT
206651 CAAGAGGGAG CGCAAGGTGT GTTGCTGGAG TCCAGCACTG CGAAGAATG
206701 GCCTGGCCCT AACTTCCCCA TAGTGCTTAC ATTGCCTGGG AGTTGCCTGG
206751 GAAGAGCAGG GCCTCAGCGT GGACCCTGCA TTGGATCCCC GAAGGTGTTG
206801 TAGCCGAGGG CTGTCAGATC ACTAGGCTCC TTGCAGCAGG GTCTATCTTG
206851 AAGGGACTTG TAAGTGGCAG ATCTCATGGC TGTCACAGGT GTATTATTTC
206901 ATTTAATTCT TGCAACAACCT CTGATGCATA TATTCTAGAT GAACTGCATC
206951 AAAC TAGAAT TTAAGTGGCT GGAATTCAAA TAAGGGAGAA GGCAGAGATA
207001 AAGGAGAAGG TGAAGGTAGG AGAAAGGAAG GGATCATGAG TTAGGGATTT
207051 CATGTGACTT TTAAGTGAATG CTCCAGAGTC AAAATGAGCT GAGAGATATA
207101 AATCCAGTCC CTCTACTGCA TCTCAGTTCC TGCATCTCTC AGACTGTAAG
207151 CCTCTTGTTG CTTTGAATTA TTGTTGTAGA CTTCCAGTAT TTCAGATACA
207201 TATTTTTCAC ACAATCTAGT CCCTACGTGC AAATCAGCTA TTTCAATTTGC
207251 TCAAAAAAGA AACAGCAGTG GAGGATATTT CAAGTGCTGA CTTTAAAACC
207301 TAGGTCCCTT GAAAGATACT GTTTGTGACA TCCTAACTTC ACACAAGAGG
207351 AAAC TGAGGC ATAAGGAAAT TAAGTTACAT CTCCAAGACC ACACAGCTAG
207401 TAAGTAGCAG AACTGGACTG TATGAATTTA TTTT TAGCCT CTGCTTTATA
207451 CAGTCTTTCC TCTGCACAAC AATTAGAATT GCTTCTCCTC CACTGATGAT
207501 AGAGTAAATG CGTTAGGTGC AAGGGAATAG CTGCAGGGCC ATTGCATTAT
207551 CTGGTACTCT GGCAAGACCT TTTTACTAAA CAGAATGACT GTGCTATGTA
207601 CAAGGCAAAA TTTAAACCAG TTCCAGGAAG AGTGCTGAGT TATGAAAAGT
207651 AAAACAAAAA AGACCCAACA TCTCTCATCT GTTATGGGAT ACAGATTTAT
207701 CTCCTCCTAC TATGTCTTTT TCTTTTFTAA GATAAGTTGC CAGAACTGTT
207751 GAGTCCCAGT AGTGGGACTT ATTTGCCTGT TATTTT TACA TGATCTGACC
207801 TAATTAATTT ACCTTCA'AC TTGGGAAGAA ACACTTTTGT TCTTAAATCG
207851 ACCTTAGAGG TCATCAGTTC TAAAAAGCAG ACTCCAGCT GTTTCAGATT

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207901 GTCGATCATT TTTCCATTAG CATTCCGCTG GCCTGTGTCC CAGGCTGTAA
207951 AGCCATCAGC CTTGCTACAG TGTTAGTGGA TACTCCCAGT TTGGTGTGTC
208001 ATTCCTTCTA GGTGATGGGC CTTCTGTAGA CTGTGTGTTG CTCAAAGGAG
208051 AGACTTTGAG GTGACAATTT CCACCCCTAC CCCCATCCC AGCCCTCATT
208101 TCCGTCATGA TTCTTCCCCC TTCTCTCTCT CCCATTTCTT GTCCAGATCA
208151 AAGCATAGCT CATTGCTAGT CATATTAGGA CCAGTCAAAC CTTGCTGTGG
208201 AATACAGCAC AGTGGGGTTT GTTTTTTTTT TTACATTATA TCACTTACTT
208251 CTCTTAACAA TTTGATATAC TATTCTTTTT TTTTCTTCTG GCCTTTATTT
208301 TATTTTAGGT TCAGGGGGTA CATGCGTGAG TTTGTGGGCT TTGTAGGAGG
208351 CTTAGTCATT AAGTCTTTAA AATTAGGTCC ATTATAGGGT TTAGGATCAC
208401 ACCTACATTT TTCACCCCAA TACCAAAGCA TGGAGAAAAA GGAGAAAGGC
208451 AATAGGGTGA AAAAAGGGCA AAGCAAATCT GAGCAGGAAT GCAAAGTGTC
208501 TGAGTGTTC CTTCAGTGTG AAGATGGAGA GGTCAACAGC CCCACAGTCT
208551 CCCTTGTTGG TGGCTGATCA GAGGTCCACA GGTCAATGGG CAAATAAAGG
208601 GACGGTGACC TTCACTGTGA GATGCCCTGT GCTCCGCTGT GCTGCTCCTG
208651 GAACTTTGGG GTGAGAGTGG TGAGACACAG CTGATAAGAG TAGTTGCAGT
208701 GGACCCCTCA GTGCTTTTCT CTCCAACAAT CTTCTCCCTC CACTACCCTA
208751 CATTAATCCC TGTTTCCCTA GCTATCATCA GAGCTGAGGT GCCCTGACCA
208801 TATGGTGCAC AGAAACCCTG CAAAAAATAT GAAAACCATC CTAAACAGCG
208851 TTGGCAAACA GAAAAATACA AGTCCCATCC AACTGTTTTG TGATCAGAAA
208901 TTTATTTTAA TTTTCTGAAT ATTTCAATCA CCTAGACAGG GAGAGTAAAT
208951 ACCATTTCAT GGTGTCCAGC CTGGGAGGAA AGGGTTGTGA CACATGGGGG
209001 CCATTGTTGG GGGTGCATTG TTCCACATA ACCTGGTAAT CTGAAGGCAC
209051 AGGGGTCTAT GTCATCCCTG GGAACACACC AGTCATAATA AGACAGAGCT
209101 ACCTTGACAG ATCCAGGTGT TGTGCCAACC CCTTTACATG CCTTATCCCA
209151 TTCATACTCA CAGCACTCAA TGCAATTAAC ATCTCTCACC ATTTACAAAT
209201 GAGAAGACTA TGAAACAGAC AGATTAATA ATTTGACCTA AGTTACCCCA
209251 TCCAATGACA GAGCTGGGGT TTAAACCAGC AAATATTCGT TGTACCAACT
209301 ATTAGGAATT TGGAGTAAGT ATAGAACCTA ATGTAGAAGT TGGTAAAGGA
209351 GAAGAAAAGG AGATTCTTGG GACCTAAGTG ACAGCTCCAA AGTGTGTGAA
209401 AATGGACTAT GAGCTGATGA TTTAAATCA TGTTAAATC ACAGGGCTAC
209451 ATTTTTCACT TACTCTGTGG GATTTAAATA AAAGTAAAGC TAAAACTAGA
209501 GTTAAAAATA GAAATCTGCA ATAAACAAC GTGTATCACA ATGACTATCT
209551 TTTGGACTGA AAAATTCTTG TGTTTTTGTG GCAATAAACC TCCCTTAAAT
209601 TGCAGGACTT TCTTCTCTAG GCTATTGTAT GTATAGAGTG GAAAGAGATT
209651 AAGTAGTTAA TAAAGAGCAA GTGGAAGGAT TGATTAGAGG TAGCTTTTCT
209701 TTCCTGTGCT TGAATTCTA GAAATGGATT GTTGACAGAG GAGTACAGGC
209751 CTCACCAGTT CCTGGAATAT CCATTGCCCT GTTTTGGGTA GGTGTTACGT
209801 TGCCATTCTA TCAGCCCTGC TTTTTTTTCG TCTCTTTATC CTTTACATTT
209851 CTAAACCGTA ATTCTAAATG TCTTAAGAGT TCTGTCAATTG GATACCTATG
209901 AATGTCTTTG AAACCCATAA GCAATCCCAC AGGCATTGAC TTGCCGAGAA
209951 CCTGGGCATT AATAAGAGAC AGCTGCAGTT AGAAGGTTT AATAATGCAG
210001 AGTAAACAAG GACATTAGCAG TGAAATGTGG ACACCTTGAC AGTCACGTTT
210051 CAGCAATTCG GAATTCAGTG AAAGAGGCTT TTAGTCTTAT GGGAGCTGTG
210101 GGGGCTTGTT GGCAGTTTGA GTTTTGCAGA TGTGGCTCTG TGTTCCATATC
210151 ACCGCACACA CTTTAAGGCA GAAGGCCACC ATCAGTAGTG AGATAGGAGT
210201 TACGATATTA GCTTCTGAT TFCAGGGAAG CCCTCACAAA GGTGCCATCA
210251 GCTCTGTCTT ATGGCTTTGT GCTAAACGGC ATCTTCTGCC TTCCTATGAA
210301 TTATGAATGC ATATAAGCAA GGGCTTGGCT TCTAATGAGT TCAAGCTGAG
210351 ATGTGAAAGG TACATCTGAG TGTGAAGAAG ATGGATAAGG TCACCTTGGT
210401 GTTTTGTTT CTGTAACCTA GTGACATTTT CCAGGGCTGT TCTGGACACC
210451 ATTTGTGGGA GAGTAGATGA TAGTTTAAAA ATGCAACTTG GAGAAAAAAG
210501 TAGGTGGGGC TGGGTACATT GGCTCATPCC TGTAATCCTA GCACTTTGGG
210551 AGGCTGAGGT GGGAGGATTG CTTGAGCTCA GGAGTTTGAG AGCAGCCTGG
210601 GCAACATAGT GAGACCTAAT CTCTACAAAA AAATTTTAAA ATAGCTGAGC
210651 ATGGTGGCAT GGTGGCACTA AGCTACTTGG GTGGCTGAGG CAGGAACATC
210701 ACTTGAGCCC AAGAGGTTGA GGCTGCAGTG AGCGATGATT AAGCCACTGT
210751 ACTCCAGCCT GGCAACAGA TGAGACCTG TCTCAAGAAA ACACTTTTAG
210801 AAATGCAACA TAGATGAGTT ACTTTTTGGG TCATTCATTT ATGCATCACA
210851 TATTTGAATG GTCTAAGCAC TGGGTATATG GTAGTGAACA CAATAGACAT
210901 AGTTCCACCT TCATGGGATC TCACTCAGCC TTACATATTT ACATAGTATT
210951 TATTGATTGA CATCTCCTAA ATGTGTGCCT TCTATTCTTC AGTTCTATTT
211001 TCGCAGAACT CTAGACTTAC ATATCCAGTC TGCCTGGGAG TGGGGTTAGG

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211051 AGTCTCTAAT AGACATCCTG AAATAAGCAT GTACGAAAGA ACTCTAGACT
211101 CACATATCCA GTCTGCCTGG GAGTAGGGTT AGGAGTCTCT AATAGACATC
211151 CTGAAATAAG CATGTACTAA AGTTAAGCCC CTCATATACT CTACCCTCAG
211201 TCCAAATTAG CTCCTCTGA GCCAACCTCG ACTGACATCC TTTCACTCAC
211251 ATTCATATCC AATCCATAAG CAAAACCTAT TGGCTTGACC TTTAAAGTAT
211301 ACTTGGAATT TGACCACTAC TTACTACCTG CATTCCTACT GCGAAAGCCA
211351 TCATCACCTT GTCGTAGCTT CTTACTGGTC TCCTACTAAC CCTCCCGTCT
211401 CATTCAAAGC AAAGAAAGGC TTTTCAGTAC TTCATCATCA TCACCTCACT
211451 AAGCCCCTCT CTTCCATCAA CATGAGAATT GTCCTCACTC ACTCCACCCT
211501 TCCAGTTTCT GGAACACACC AAGCATGTCC CTGGCTTTGG GAGCCTTGAA
211551 TGCTCTTCCC ACCAGATACA CAAATGATTG GCTCCCTCCC TGTCTTCAAG
211601 TCTCTGTTTA TATGTCATCT TATCAGGGAG GACTCTGACC ACCTTATATG
211651 AAATAGCTTT CACTGGACTG AGAATCCCCT CTTTCCTCTC CTACTTTATT
211701 TTCTTCCATA GTCTTTTATT CCGTCTGAGT GGCCACTATT GCTTATTCTT
211751 TTATGGCCTG TCTCCCTCTG CTAGAATGAA AGCCAGTAGA GCAGATATTC
211801 TATTTTTTTT CACTGCTATA TTCCCAGCAC CTTGAACAGT GTTTATCACA
211851 GAACAAATAC TTAGTAGATA TTGTGGAATA CGTGAATGAA TGGATGCAGT
211901 GTACAGTCTA GTGGTACAGG TAGCCAATTA GCCAGGACAC AAACAAAGAA
211951 GTAAGAGCAA CTAGAAAACA AAGAAGCTGA AGTGATAGAG GAATGGGCAT
212001 TTGGGGTTTA GGAAGACCT ACTAATAAGG GAAGTCAAGG AGAATTTCTA
212051 GAGATTGACT TTTCAGCCAT GACCTGGAGG ATGGAAAGGA GCCAGCCCTT
212101 GATGGGACAA AAGGGAAGCT GGAGAAGAGT GCTTCACAGA GAGGGAACAG
212151 AGAGTGAGGG AAAGCTCCAG GTCATGAAAA CCTGGGCGCG TTCCAGAAAC
212201 TGCATAGTGA GCAAAAAGAT CATAGTGAGC AAAAAAGATCT TGGGGATGAT
212251 AGAGATATTC TTTACCTTGC TTTAGGTGGC ATATACACAG GTGTATACAT
212301 TTTTGAAAAC TCATAGAATT GTACCCTTAA GATCTTGCAT TTCACGATGT
212351 GCAAATTTTA TCTCAATAAA AATAATGCAT CATTAATAAT TACATCAAAA
212401 AAAGAAAAAC TACAAAAAAA CTACAACAGA GTTGCAATAT TCATGTAGAT
212451 AGATGAGCTC TATAGGTCTG CAGCCTGCAT TGAGGCCACT TCCTGGCTGC
212501 TTGTGGACAG TGCTGGCCA CAGCTTCAAG AAGGTCTGGA TACACTCAAA
212551 TGAAGCCTCT CAGGAAAAAA AAAACATGGG TCCAGAGTGA CTCTGGGTGA
212601 GGAGGGAAGA GGAAGAGGGT TTTGCATGAT TTGGTGGGAT TTACTTCTCT
212651 ATGGGATGGC TCTGAGAGAA GAGGTGACCA AGAGGTGAAA GAAATCAGCC
212701 CGTTTATACC CTAACATCTG TTGACATAAG GTTGACTGAG GACGTGCCTG
212751 GGGTCTGAGC AAGATGAAGC TCAGCTGAGC ACTTCTCCTA GCTGGGGCTG
212801 TGATAGAAGG TTATGCGTAC TCTACTCTAT ATATACCTTT ATAGGTCTAT
212851 GCCTGCTCAG GATTGTTTGG CAGATGGAGG ACATGGTGTC AAGCCTGGCA
212901 GCACAGCATG AAAGCAAAGC ATGCATGCAT CCATTCTCAC TCAGAGCAGC
212951 TTTCAGCCAC TGGAACATA AAACACTTCT GTAGCTCTGA ACCCATCTAT
213001 GTGTGTGTG ATATGTGCCA AGCCTTCTCT AGATATGCCT TCGGGAGTCA
213051 GTATAGCCTA CCAGCCAGGA GAGTGCTGAG GGTGCTAGAT GTAGACAGAT
213101 GGCTGAGTTT TCACACCTTC AAGGTGAAGG AGCAGTGAGC AAAAGAATAA
213151 CCTTTTGGGA GACTCTCAAG AACATCTAAA GATAGATATG CAATCTCTAA
213201 GGGACTGCTG GTGCTCAAAC TGAGCTCTCA TCCCAAAC TA AGTTCTTG TG
213251 GCAGCTAGGT AGCTTTTATT CATTCAATCA TTCATTCAAT CATTACACAC
213301 GTCACAATTC ATTTGTACC AAACAATATA CATAATATTA TATATAGTTA
213351 TCATTTTACA GATATCATTC CCTTAGTTAT CCATTCAAGT TCAATGAGAA
213401 CTGTGTAAAT GGTTTTCACT TACCTAACTT TCAACAAAA CCCTGTCATT
213451 GGTTTTCCAT CTCCAACCTT TTAAGTTTCA AACTTGGTCA ATATTTTCTT
213501 TAACCAAATC ATTTATCTAT TGTTTTTAGT CAATGTAATT TTTTTTCCC
213551 TTTAACTCAT TTAGCGAGAG CAAGTTCCT GTGGATAGTG GAGGAGGGAA
213601 GAATATGGCA TCTTATGTCT TTAAGCCTTG CCTTCTCTG GCTCCTTCT
213651 CAGAATCTTT ATCCACAGAA AGGCTAACTG TTCTTAGACT TGGGAAAAAC
213701 AAACCTCTTA GAACTAGGCT TCTCCCATGA GTGGGTTTTT ATTGGTTTGT
213751 TTCCTAATAG GTGTGGCAAA ACCTCTTCC TACCTTGCTG CACCTTTTTT
213801 ACTGGAGTTG GCTGCAGCTT GGACAGTACG CCACAACCAG AGTCTCTTGG
213851 ATAAGTGAAT GTCAGCAACA GCTTGAGAAA CAAACTGTCA GAAAAGGATT
213901 ATTTTCTCTC AAATGGGAGG CTAAGGCTTC ATCTCTCTTC CTTGTCTTTG
213951 TATACATTTG ACACATAATT GGTTTTGTG GTTGTGTGTG TTGTGTGTGT
214001 TAGAAACAGG GTTTTATTTT TGA AACAGA AAAAGCAAAC AATATTTTAA
214051 AAATACAGTC ATCGATGTC ATCATATTTG GCTTGAATA CACAAGAATC
214101 CAGTGACTGA AATGTCTGTT CTAAAAACAT AAACATTTTC TTATATCAGT
214151 TCCAACCCCT TTTAATTTAA TAAATATTTT CTGAATGAAA TACAACCTGGA

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214201 TAATGAAGTG ACACAGTTTT TTTCTTGTGA ATTGAATCTT TCGTTATGAC
214251 TAGCTCTAAG TGAGGAGATC ATCTGGATTA TTTTGTCAAA CAACTGCCTG
214301 ATAATAAAT GAAGATCTAC ATGGTGTGAT TTTTACAATC CTGTGAAGAC
214351 CCCACTGTAC TTCTCCTTT GAGATTGCCT GCTTGCTGCT GCCTAAACTT
214401 TTCCTATTAG AAATTAAGTC CTCTGATATG AGGTCATATG CCTTATGAAA
214451 TACAAATATC CTGAGAGAGA TAACACATAA ACTTTATCAA CCATTTTTTG
214501 GTTTTAATGG ATCTGTCATA TCTCTTCTTG ACAGAGAGCA TATTTTAATA
214551 GATAGGAGAA TGAAAATAAA TATGAAGGCA TATATTAGCT CCCTTGTGAA
214601 GAAAATATAC TTGTTGGGAA GTGCAGGAGT GTAGAGAAAA GAGTAAGAGC
214651 AGAGAAAGAG GAGGGTTTCT AAATTGTCAT ATTCCTTGAC CCAGTAATTC
214701 TATTTCTGAT GGGCCAACCT AAAGAAATAA CAATAAACAT GAAACAAAGA
214751 TGTATGTGTA AAGATAGTCA TTGCAGTATT CTTTAAACAA AAATAAAATG
214801 AAAGCAATCT AGATGTCCAA TGATAAGGGT ATGGATAAAT ACATATGATA
214851 TGCCTTTAGG GAGCAATGGT CCAGCCATTA AAATTATGCT TCTGAAGAAT
214901 TTTTAATAGC GTCAGAAAAA AGTCTGAACA ATATTGTACA TTTTCTGTTT
214951 GGAAACAGAA AAACCAACAA ATGTTTTTAA AATGCAGTCT ATTGATGTCA
215001 TCATATTGGA CTTGGAATAC CTGAGAATGC AGTGACTGAA ATGTGTGTTT
215051 TAAAAACAGA AACATTTTTT ATATCAGTAC CAACTCCCTT TAATTTAATA
215101 AATTTAATAT TCCAAACAAT ATTGTACAAC AGTACATTGT ACTGTTTTTT
215151 TGTGTATTTT ATGTATAGAC ACACATACCG TACATATATA GTATAATCTC
215201 AAATATCTAA AAGATAGGCA TGCATATAGC ATACATATAT AGTATGATCT
215251 GAAATATCTA AGAGATAGAT GTATATAGAA AAGACTGACT ATATATGTTT
215301 ATGTGTGTGT GTTTGTATTA ATAGCAGTGG GATTTGGGGT ATTTATTTTC
215351 TTTGATAATT TTCTATATTT TCCAGATTAA AAATAAATGG GAATTGTTAG
215401 AGAAAACATT ATTTTCAATA TTTGTATTTT GACATTGTCT AAAAAGGGAG
215451 ATTCCTTCAG ATATGATAGT TTTTTCCTGT GGCTGCTAGG CAGGCATTGA
215501 TAGTTATCAT GACTTTCATG GATCTGACTG GACCTTTTGA GAACAGCTAC
215551 CATTCCTCCA TAAAAGCAAT GTCTAATTCA TTAGTGAAT GACTGCATAG
215601 GTTCTGAAA AAAAATGTGG GCATTTGACT AAACCTGAAT CTGTGGGACA
215651 GTTTTCTAGA ATGAATCTT ACAAGATATT CCTCATGTCT CTAAGGCATG
215701 TTATTATAAT GGAGGGGTTT GTGGCTATGG AGGAAGGAGA CTTGAAGAAC
215751 ATTTAAGTTC ATCAACAAAG AAGCCGTTGT TATTTTCACA GCATTTGAAA
215801 ATCTGGCTTC CCAGCACTTG GCTGAGATGA CTGAAGGCTG GTGACACTGT
215851 AATTTGGCAT CTAGCAAGAT GCAGTTACTC TCTCAGGCCA CTTAGCTCCA
215901 GTAAAGTTCA ATTTAAATTA TGAAACAGGG AAGAAATGCA AAAGTTCCAA
215951 TCAGCAGCAT AATTCCTCAAT CACACTGGCC ATAATATGCT CCTGAAAGAT
216001 GTTTTCTTTG ACTGAATCTT TGCTACGCCC GGCTGATTTT TGTATTTTAA
216051 GTCAAGTCGG GGTTTGACCA TGTTGGCCAG TCTGGTCTTG AACTTCTGAC
216101 CTCAGGTGAT CTGCCCACCT TGGACTCCCA AAATGCTGGG ATTACAGGCG
216151 TGAGCCACTG TGCCCAGCCA TAAATTCCTA ATTTTCCTTA GTATAACCAC
216201 AAACCTGAAA ATAATTAATA CTTTTCCCAG ATCATTAGGA TGCTGTTTTG
216251 GATTATTTTA AGCCTGCTTG GTGGAGGACA AATTTATTTT GTATTGAAGA
216301 CAATATTTTT AATCAAATAC AGTTCTGTGA TTTCCCCAAC CGTTATGGGG
216351 GAAGTCTGAC TCTTAATGAG GGTTAAGGTA AATGACGAGT GGTATTCTTA
216401 GATTTAGCAC TCCTTGAAGA CCATACATTT CCAAAGAAGA GCTAGTTGTT
216451 CTCCAAGGGA AAAAATGCAT TAGATTTCTG CTGTATTGAC TAAATTGTAA
216501 ATTGAATAAA ATATTTCTTT TATTCTAATA GCATTTACTA TGTTTATAGA
216551 TTTAATATGT ATTTATTATA GATAATTTGG AAAAGACATA AGCACACGAA
216601 GGAGACAATA AAGATCACTC ATAATTTAAT CTTTATAGTCA AAACCACTGC
216651 TAACATTTTT TTGTATGTTT TTGCCATGAC AGATAGAGCA ATAAATCTAG
216701 AGATTGTTAT GGAGAGAGTG ATGTAGATAT ACATAAAGTT ATTTTTCTTT
216751 TTAAAAATAG GATTATACTG AAATAATTTT GGAACCAGAT TTTTTTTTCG
216801 CCTAAATGTA GTAAGAACAT TTTTCCATGT TATTAAGTAT CCTTCTACCA
216851 TACAGGGAAA ATAAACATTT CTCCCTTATT TTGACAGGAC AGTGATATCG
216901 AAGCGTTGGC CAGGTGTTTG GAAAATGTCC TGGGTTGCAC TTCTCTAGGT
216951 GACTAAGTTC CTTTAGGCTT CAAAATACAT TGACAGCTAC TGATTATCTT
217001 GGAATAACTT GGAAGAAATC TTACAGGTGT TTAAGTCTGA TATCTTAGTA
217051 TAACAGATGA AGAACTGAG GCCAATAGAA GTTGAATGTC TGACCCAAAA
217101 GCCAGGAAAC TCAAAGAAAA ATTGCTTATT ATTATTGTAA GTAACCTTTA
217151 GTCTCCAAGG ATGAAATAAT TGAAATTCAG TGGTCCCTTG TGATCAAATG
217201 GCAGCCTAGC AGTGCATAAT AACAAGTTTG TGCAGTTTCT GGAAAAAGGA
217251 ACCTCCCTAC CTAACCTGTC TTTTAGAAGC AGAGAGCACA GTACATTCAG
217301 TTAAGCTGGG AGGACCATCA CTCCGAAGGT CAGTCAGTTA TTTGAAGAGA

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217351	TTTGGTCTGA	AAAACAAAC	TAAAACTTGT	TTAGCATTGT	CAGTCTCAAT
217401	AAATAGGATT	GCTATGCTTC	AGGGATAAAG	CCCTATTTCT	TAGTTTCTTC
217451	TATTTTTTTT	TTAATCTGAG	AAGCCTAACT	GAGATACACT	CTAGCACTAG
217501	ATGATAAACA	GTGACACAGA	GTATTCTTAC	TAGATGAAAA	GGGCTGAGAT
217551	ATTTTCTTCT	TCTAAATTTG	ATTCAAAGTT	TTTATTTAAA	AAATTTAAAC
217601	TCTAAACCAA	ACGAATCTC	TTCAAAGGGA	ATGGCAGGGT	AAAAACAAC
217651	AATTAAGTTT	TCAGGTGGGC	AAACATTAC	TCTTTTATTA	GGAGCTTTAT
217701	GCACAATTTA	TAGCCTTTTT	CTAGCTTATT	CCACATCTCC	ATATGGGAAA
217751	CCTCAGTCAT	AACATAAGTC	TTTGATTTTC	TCACCTGACC	ATCACCCTGT
217801	GATCTGTTTA	ATTGTATATC	AAATACACTT	ATTTGATGCA	TTTAACATTT
217851	AACAAGTACA	TTTAACATCG	AAGCAGTACT	TAAGACAGG	AAGGCTTTTT
217901	CCTCTCTGGA	CCTTAGATTA	GATGACTAAT	TTTCAATCTA	GGCTCCTTAG
217951	AGACCTCCAG	GATGAGGGGT	TGGTGGTACT	AAGCAGCATG	AGAACAGAAG
218001	CTGTGTCTGT	ACTGCTCATC	TCTATTTTTC	CAGAGTCTAA	CACTGTGTCT
218051	GGTGACGACG	AGGCTCTTTA	AAAAATATTT	AAAAATTTTG	TGGTCGAAGG
218101	TGGTGGCTCA	CACCTGTAAT	CCCAACGTTT	TGGGAGGCTG	AGGTGGGGAG
218151	ATCATCTGAG	GTCCAGGATT	TGAGACCAGT	CTGGGCAACA	TAGCAAGACC
218201	CCGCTCTTAA	CAAAATTTTT	TAAAATTCAG	CCAGGCATGA	TAGCCTGTGC
218251	CTGGAGTCCT	AACTCCATGG	GATGCTGAAA	CTAGGAGATT	CCTTGAGCCC
218301	AAGAGATTTA	GGCTGCGGTG	AGTGTGTGAT	ATACCACTGT	ACTTCAGCCT
218351	GGGTGCTAGA	GTGAGACCTT	ATCTCAAAAA	TATATATTAT	TGTTATAATT
218401	TCTATAAAGT	AAAGGGGCTAC	AGTGCGATT	CCTTACACAT	ATATATTGCA
218451	CAGTGTGTAA	TCTGGGCTT	TTTGTGTAAT	TCTCACCTGA	ATATGGTACA
218501	TTATACCCAT	TAAGTAATTT	TTTTATCACT	CACCTCTCTC	CCAACTTCCC
218551	ACTCTTCTGA	GTCTCCAACG	TCCGTTACTC	CACACTGTAT	ATCCATATGT
218601	ACACATTATT	TAGCTCCAC	TTATAAGTGA	GAACATTGGT	ATTTGACATT
218651	CTGTTTCTGA	GTGTTTTCAC	TTAAGATAAT	GGCCTCCAGT	TCTTTCTATG
218701	TTGTGCAAA	ATTCATGATT	TTATCTTTT	TTTGTGGTTG	AATAGTATTC
218751	CATTGTGTGT	TGTGTGTGTG	GTGTGTGTGT	ACTGTTATCC	AATCGTCCTT
218801	TGACGGACAC	TTAGGTTGGT	TCCATATCTT	TGCTGTTGTG	AATAGTGCTG
218851	CAATAAACAT	AAAAGTGCAG	GTATCTTTTT	GATATAATGA	TATAATGATC
218901	TTTTCTTTTG	GGTATATACC	CAGTAGTGGG	ATTGCTAGAT	TGAATGGTAG
218951	TTCTTTTGAG	AATCTCCATA	CTATTTTTC	TACAGGTTGT	ACAAATTTAT
219001	ATTCCTACCA	AAATACGTGA	TAAATTTTCC	TTTTCTCTGT	TATCCTCATC
219051	AACATCTGTT	ATTTTTTGTC	TTTTTAGTAA	TAGCCATTCT	GACTGGTGTA
219101	AGATACCTTC	TTGTGGTTTT	AATTTGCATT	TATCTGATGA	TTAGTGATGT
219151	TGAACATTTT	TTCATATGTC	TTTTGCCCAT	TTATGTCTTC	TTCTTTTGAA
219201	AAATGTCTGT	TCATGCATGT	CTTTTGCCCA	CTTTTATTC	GAGTTAGTTG
219251	GGGTTTTTTT	GTTTTTTGTT	TTTTTGTGTT	TTTGTTTGTT	TTTGGTGATG
219301	GTTGTTTGAG	TCCCTACATA	ATTCGTGATA	TTAGTCCCTG	CCGAGTTGAT
219351	AGTTTGCAAA	TATTTTCTCC	TGTTCTGCAG	ATTGTTTGTT	TAAGCTGTTG
219401	ATTTGTTTCT	TTTGCTACAC	AGAAACATTT	TAGTTTAAAT	AAGTCCCAT
219451	TGTCTATTTT	GGTTTTGTGT	CTTATGCTCT	TGTAGTCTTA	GTATGAATT
219501	CTTTGCATAG	ACCAATGTCT	AGAAGAGTTT	TCCCTAGGTT	TTCTTTAAAC
219551	AAAAAAATTT	TTTTTATTC	AATAGGTTTT	TGGGGAACAG	TTGGTGTTTG
219601	CCCATGAA	TAAGTTCTTT	AATGGCAATT	TATGAGATT	TGGTGCACCC
219651	ATCACCTTAG	CAGTGAACAC	TGTACCCAGC	GTGTAGCCTT	TTATCCCTCA
219701	CCTCCCTCAC	CCTTTCCCA	CAAGTCCCTA	AAGTCCAAAT	GTATCATTCT
219751	TATGCCTTTG	TGTCCTCATA	GCTTAGCTCT	CACATGAGTG	AGAATATAGG
219801	ATGTTTGGTT	TTCCATTCTT	GAACTACTTC	ACTTACAATA	ACAGTCTCCA
219851	TTTCCATTTA	GGTGTGTC	AATGCCATTA	TTTCAATCCT	TTTTATGGCT
219901	GAATAGTATT	CCGTGGTGTG	TGTACACAT	GTGTATGTGT	ATCACATTTT
219951	CTTTATCCAC	TCATTGATCG	ATGGACATTT	GGGCTGGTTC	CATATTTTTG
220001	CAATTGCAAA	TTGTGCTGCT	ATAAACATGC	ATGTGCATCT	TTTTCATATA
220051	ATTACTTCTT	TTCTCTAGG	TAGATACCTA	GTAATGGGAT	TGCTGGCTTA
220101	AATGGAAGAT	CTACTTTTAG	TCCTTTAAAT	AAATTTTATA	CTGTTTCCA
220151	TAGTGGTTGT	ACTAATTTTAC	ATTCACATCA	ACAGATGAAA	AGTGTTCCTT
220201	TTTCAC TGCA	TCCATGTCAA	TATCTATTAT	TTTCTGATTT	TTAAATTTAT
220251	GGCCATTTTT	GCAGGAGTGA	GGTGGTATCA	CATTATGGTT	TTTATTTGCA
220301	TTTCCCTGAT	ACTTAGTGAT	GTTGAGCATT	TTTTCATATG	CTTGTGGGCC
220351	ATTTGTATAT	CTTCTTTTGA	GAATTGTCTA	CTTATGTCTC	TAGCCCCATT
220401	TTTGTAGGGA	TTTTTTTTTTG	TTTTCTTCTT	GCTGACTTGT	TTGAGTCTTT
220451	TGTAGATTCT	GAATATTAGT	GCTTTGTGG	ATGTATAGAT	TGTAAGGTT

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220501 TTCTTCCACT CTGTGGGTTG TCTGTTAATT CTGCTGTTTA TTTCTTTTGC
220551 TGTGCAGAAG CTTTTTAGTT TAATTAAGTC CCATCTATTT ATCTTTGT TT
220601 TTGATGCATT TGCTTTTCAGG TTCTTGGTAA TGAAGTATTT GGCTAAGCCA
220651 GTGTCTACAC GGGTTTTTTC TGATGTTATC TTCTAGAATC TTTATGGTTT
220701 CGGTCTTACA TTAAAGTCTT TGATCCATCT TCAGTTGATT TTTGTATAAG
220751 GTGAGAGATG AGGATCCAGT TTCATTCTTC TACATGTGAC TTGCCAATTA
220801 TCCCAGCACG ATTTGTTGAA TAGGGTGTCC ATTTCCCTACT TTATGTTTTT
220851 GTTTGCTTTG TTGAATATCA GTTAGCTATA AGTATATGGC TTTATTTCTG
220901 GATTCTCTAT TCTGACCCAT TGGTTTTTGT GCCTGTTTTT ATACCAGTAC
220951 CATGTTGTTT TGATGACTAT GGCCTTATAA TATAGTATAG TTTGAAGTCA
221001 GGTAATGTGA TGCTCCAGA TTTATTCTTT TTTCTTAGTC TTGCTTTGGG
221051 TATGCAGGCT CTTTTTTGGT TTCATATGAA TTTTAGAGTT TCTTTTTATA
221101 GTTCTGTGAA GAATGATGGT GGTATTTGAT GGAATTGCA TTGAAGTCAT
221151 TTTCACAATG TTGATTCTCT CCATCCATGA GCGTGGGATG TGTTTCCATT
221201 TGTTTGCATC ATCTATGATT TCTTTCATTA GTGTTTGTGA GTTTTCCTTG
221251 TAGAAATTTT TCACTTATTT GGTAAATGT ATTCCTAGGG TTTTTTTTTT
221301 TTGTAGCTAT TGTAATGGA ATTGCCTTCT TGATTTGGTT CTTAATGTGA
221351 TTGTTATTGG TGTACAGAAA TGCCATAGAT TTTGGTATGT TTATTTTGTA
221401 TCCTGAAATT TACTTAATT TGTTTCTCTA ATCTAACAGT TTTTGGAGAA
221451 GTCTAGTGTT TTCTAGGTAT AAGATCATAT GATCAGCAAA CTGAGATAAT
221501 TTGACTTTCT TTTTTCCAAT TTGGGTGCTA TTTATTTTTT TCTTGCTTGG
221551 TTGCTCTGGG TAGGACTCCT AGTACTGTGT GGAACAGGAG TAATGAAAGT
221601 GGGCATTCTT GACTTGTACC AGGTTTAGGA GAATTGCTTT CAACTTTTCC
221651 CCATTTCAGTA TGATGTTGGC TGATAGATGT TCATATATGG CCTTTATTAT
221701 TTTGAGGTAG GTTTCTTTTA TGCCTCATTT ATAGAAGGTT TTATCATGAT
221751 AGAATGCTGA CTTTTTCAA ATGCTTTTTT TGCATCTATA TAGATGATCA
221801 TATGGTTCTT AAAAAATTTA TGTGGGTACA TAGTAGGTGT TTGTGTTTAT
221851 GGAGTACATG AGATTTTTTA AATAGGCATA CAATACATAA TAATCATATC
221901 ATGGAAGCTG AGGTTTGGGT CTGGAATAAT GCTTGGGGCA CTTCTGGGAG
221951 CCTTCTTTTC TTACAGCCTG CCAGCCTTTC TCCAAGTTAG CACCAGGCT
222001 GGTGAGGGAC AAGGTGCTCT TCCATGGCCT GGATTGCATG GTCCCCCGCT
222051 GGAAAGCTGG ATCACAGAGA AACAGTCTCT CTCACTCTCC CATATTAGGG
222101 CTTTACTCAC AGTTCTCAGT CAGTTGTTGG CATGCAGGCT GTCTACCCAT
222151 CCTCTCTTCA CTGGGATCTT TCCTTTTCCA GTGAATTCCT CTGTTCTTTC
222201 TTGAATAAAA GATTATAGTG TGAATCTCTG TGCATATTT TGCTTTTTC
222251 ATGTGAAATA TTTAAAAATA TTTTtaggag AAATTAGATG CAGACCCTGT
222301 TCTTTTACCA GTTTCAACCA AAATTATCTT CACTCTTATC TGTTTATAAA
222351 ATTGAATTTT TATAAAAGAT TGTGTCTGGA AAAAGATAGA TTCCACTGCT
222401 AAAAATTGAA ATAGCACTGA TTGAATAGTT AATATCCAAA TTCCTTTCTA
222451 GGCTGGGTGT TTTTTTTTTT CTAAAGAAA TGAGCATTAG AATCATGGAG
222501 TAAAAATACA CATTTATCTC TGCTTGAAGT CCCACTAACA TGACAAAAAA
222551 GGAAAAAAGC TAATATAAAC GTACAGAAAA AAAAGAGAAC ATAAGAGGAG
222601 ATGGAAGCAG ATGAGAGCTT TAGTGAACCT GAGAAAGATA TAAAGCAGAT
222651 AGATGAGTGA TAACTGATTT AGAAAACAGA GAAAGCTGAA AGCTAAGTGC
222701 CTAAGATGTA TATAGGAAAG AAGGGAAGGT AAGGTGTAGG CTAGGAGAAAG
222751 CAAGGCAACT GAACCTACAG AATCTCATAA ATGCTCAAGA TTTGGAGGCC
222801 TCAACTACCG CTGAAGGCAT GGTATAGGTG AAGATTAAAA TGGGAAGATT
222851 GGTGACAGT GTGCGTAAGG AGAAATAGAC CCCAGGTGCC TTTCTCTCCA
222901 CTGGCAGAGC CACAATATTC CTCTCCACAG TCAAGACAGA AGAAAACAGA
222951 CTCGATTTGG GGGAACATTG AATCAGGAAG GTTTTAGGGA CACCAAAGGA
223001 CAGGGTGTAT TGATGTGATG AAAACAAAGA GATGAGTTGA AAGTCTTCAT
223051 ATTAAGTTAT GAAACCCCCA GATACCATT CACTTGGCT TCTGAAACAC
223101 TGGAAGAACA GCATGGACTC CTTCAGGTT AGAAAAGCAT GGACTCTTTA
223151 GAAGATATCT CTCTGACAGC ATTTACCAGC CTGAGAATCC TAAGGATGTT
223201 AACATTTTCT CAACAAAATG GTGGGAATGA GCGCTACCAG TTGACAATCT
223251 CTGAATCTGC AGAAAGAGCT TAAACTGACT FTTAATTTTT CACACTTAAA
223301 TGTGAACATG TAGCAATGCA GTAGCCAGTA TCTGAGGAAA TCTAACCAAA
223351 AAGAGAAATC AAGACAAAAA TATACAAAGA ACTCAGGAAA CAGACAATGT
223401 AGACAAGAAA ATAAAAATTC AAAAAGTGTG TATCCACAAA AGTTTTTTAA
223451 AATAAAAAAT TAAAGAAACA ATATTAAAT TCTAAAAGAT AGCAGAGAAA
223501 GTATTACCTC TGTGAAGCAA ATCATAACAGA GAATAAGAAA GAGCTCTTAA
223551 AGTTATAATT TTAATGGCAG AAATAAAAAA TCAGTAGAAG GTTTGGAAGA
223601 TAAAAGTGAG GAAATTTACC AGAATATAAT TAATAAATGG TAAGAAAAACA

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223651	AAGTGATTCA	TCTACGTGAT	TCAGCACCTA	ACAAATAGAA	ATTCCAGGAA
223701	AAAAGAACAG	AAAAAGAAAA	AAATTATCAA	ATAAATAAGA	AAAATATCTA
223751	GAGAGAAATCA	AACAGACCAC	TTATAAAGTA	TCAGAGAAAA	GAGTGGTGTC
223801	TTATTTTTTCA	ACAATAACCTA	AAAGCTAGAA	GATAATAAGG	TTTGAACCTA
223851	CAAAATTTTA	TCTATCCAA	CTATCAATCA	AGGTGTGAGAA	AGGAAGAAAG
223901	ACATT'T'GCAG	GCATCCAATA	TCAAAAATGA	GGTGTGAAAA	ATATCTACCT
223951	CCCATGACTT	TACTTAGGAA	GTTCCTAGAG	GATATGCGTC	ATCAAAACCTA
224001	AGAGTCAATC	AAGAAAAGAG	AAGACATGAA	CTTCAGGTGA	TAGGAAATCC
224051	AATATAGGAG	AGAGGTTAAG	GGGAT'TCCCA	GAATGAGAGT	AAAGAAAGGT
224101	CAC'TGAACGA	TAGGTGGGCA	ACAGGCCTGG	GAATAATCTC	ATTCAGACTA
224151	GAATGAGTCA	GAGAAT'TCCA	AGGGGTAAAT	AAATATCTCC	TAGAGAGGA
224201	TGGAAC'TAAT	GGATAACCCA	TTTGGA'TTTT	ATCATAATGA	GAGAGGTTTG
224251	CAGT'TCCTTT	GGTGAGTTTA	GGGATGAATT	AGAAGTTATT	AGAAAACTAA
224301	ACAAAGTGAA	AAATCCAGGG	CAATTATGAA	CTCCTGGAAG	AACAAAAAGT
224351	CATTTTTTAA	AAAGAAAATG	TAATCTGCAC	ACACTGAGTG	CTTAGCTGTA
224401	TACAATATT	GCATAGTCAT	AATAAT'TTTT	TTTAAATGTG	ATGTAAC'TAT
224451	ATTGGAAAGT	TGGAGGGAAG	AAAAATATTT	TGAAGTGTAT	GTGTGCATCT
224501	GTGTGTGTGT	GTATACACAGA	GAGAGGAAAG	AAAGAACAAA	TTTGCATCTC
224551	CCTATTTATA	GTAGGAAGTC	CAAAACAGAT	TGCTAAAAAC	AGAAAAAGTTT
224601	AAAAAAAATA	GTTGTATAAA	CATGTGCTAT	AGAGAGATAA	AGGTAATATC
224651	AAAAAATAAA	AAAAACAAGT	TAAAGAGTTG	AATATGGTTG	ACTTTGGAGA
224701	CTGGAACTTG	AAGGTGAGGC	AGGAAGCTTT	CTTGT'TTTTA	ACATTAAGAG
224751	CTTTGACTTA	AAAAAGTACT	AGGTACATGA	ATTCCTAGAT	TAGAAGTCAA
224801	TTTTTAAAAA	GAGGTAAGTG	TTGGAAAGCA	AAGAGCCCAA	TTCTGCCCTC
224851	CATTACTTTA	GTGTGCCTGC	TATTAAGGCT	GGATTAAGAC	TTTTGGACAC
224901	TTTGATT'TCT	GAGAAGATTA	TAGTAAACTA	AAT'TTGTAAA	TTAAAAAGAA
224951	GCTAGATTAT	AAAAATAAAA	ATACATATAC	CCTGAAGTTA	TAATAGCTTT
225001	TTTTCAGATT	ATCTGATTGC	AAGGT'TCTGA	ATACGTTAAT	TAAATGTATT
225051	TTTTCAGTTT	GGATACCTTT	ACTCTGCTTA	TGCTCTGGCA	TCTGCTGGGA
225101	TGATT'TATAG	GACATTT'CAG	AGTTCATTCC	ATGTAAGTGC	TAAAGTGCTT
225151	GCTGCCCAAA	ACTGTGCAAC	ACAGGAAGCC	CCTTAACCCT	TCTACTGCTT
225201	CTTAT'GACTA	TGATGACCTC	TTAT'TGTGTG	TGACCTCTTA	TGTTACCAGA
225251	ACATGAGAT	TTAATTAATG	CTGCTGCTGA	AATGGAAGGA	GTTCCTTGAT
225301	TATGGCTACA	GACATTTGAGA	TGATGGGAGC	ACATGCTTTT	GAATACCTGT
225351	TCTG'TGTGG	AAACTCATAG	CAGGACCTCT	ATTACCATAG	AGAAGCTTAT
225401	TGCTTTCAGG	ACTGCAAGAA	CTTCCCTGTC	ATTATATAGA	AATCATGAAG
225451	ACAATCCCAT	CACATAGTCT	TATAAGGGTC	TAACATTGCC	CAGGTAGCTT
225501	GTGCTGCTT	TGTTCCATAT	ACATTTT'TGG	GAGGCCCACT	AAGTGAATAA
225551	ATAGT'TAGAG	CTTATTAATC	ATTGTGGTGT	TTAATATATG	TCAGAATGTT
225601	AACAGGATCC	GGGGACAATT	TAAAGCTTAAG	TATGTACAGAG	TATAAGCTTT
225651	TTCACTTCAA	AATGAAACCT	CTGTGAATTG	AACTAGGCTT	TACTCATGCT
225701	CATTATCTGC	CTAGGCACTT	TGGTAATGCC	CAGGTGCCTG	CAGAGCATGT
225751	CAAGATATGT	ATGTATCTTC	TACAAACATC	TTCAAGAGCT	TCTTCTATCT
225801	CTTAACCCAA	GAAGAAAGTA	AAACAGACAT	ACACATGTCC	TTTCTGGTAA
225851	TTTCAACCAA	GAATTTTGA	ACTTCGAAAC	CTGAAAATTC	CTGTGTGTAG
225901	TGGCTTGACC	CCAT'TCCTGA	CCCCAATTTA	GTTTGAATTC	TACTTGGAAAC
225951	AGGGACAGTG	ATATTTT'TCT	TTCTTACATC	ACAGATGAGT	GGACTTAATG
226001	AATGAGTTAG	CATTTGTGTG	GCTTCAGGAG	ATCCTGAAGA	TGACTTTTTG
226051	CATT'TCAAGT	TCAGTGTATT	AGTCTCCTTT	ATAGCATCAA	GGTCAGATTA
226101	AAGCCTTGAG	ATCAGTGATT	TTCACTCTTG	GGCATGCATC	TGAATTACCT
226151	AGAGGGCTTA	AAATACAGGT	TGGTATGTGT	TCCAAGAATT	TGTATTTCTG
226201	ACAAGTCTCT	ACATGATGCT	GATGCTCTGG	GTCCAGACTG	CAC'TTTAAGA
226251	ACTATGGCTT	TATAATCTTT	AAGCCTTGAA	AGGATTATCG	TGCACACTCA
226301	CCCCAATTTA	TAATTCAAAC	AGAACAATAC	TAAAGTGTAA	AATAAAAAAT
226351	TTATTTCCAA	AAATTATAGA	GAAC'TTAAAA	GCTATAAGCT	AAAAAGAAAT
226401	GTTTTCTTCC	TAGATTTTTT	TCCTCTTTCT	TTCTGTGATC	TCGTCTCTGT
226451	TGATGGGCTA	TCTGGCACTG	TGCATAAAGT	TTACTGTAGCT	TCCTTAGAAG
226501	TGGTATTGTA	TTTCTGCCTG	ATCCTCAGCA	TCCACATCAG	GCATTTAGAG
226551	AGCTCATGAA	GGTTCAGGCC	ATTGCATAAA	GAGTTGGATA	TTGAGACTCA
226601	TTTAGAATAT	GGTCTTGTGC	ATGAGGTGGG	CTCCTGGACA	GATCAGTGCA
226651	AGGTTT'TGTG	AAAGTACCAG	GGAAATACCTA	CTAGGTGTCT	TTCTCATACA
226701	TGGAACAAAC	ATT'TGCTTAC	ATGAAGGCCC	CTCATTTACA	AAACGCTAAA
226751	TTCCCAACAA	AAATTTCCCAT	GGGATACAAG	AAGCAAGACC	AGACATGAAA

226801 AGGATATTAA GTGATTCTAG GCAGAATTAG GAGAAAGAAA GAGGGAAGAA
 226851 ATGAAAAGGG AACAGAAAAA AAGTCCAGAA TGAGGGCATG GGGAAATAGCC
 226901 AATAATATAG CCAATAGCTA TTTTACTGAG GGCAGATACT TTGAAACATG
 226951 ACATTTCGGT AGTTGAAATT TCTATCCTTG ATTTCTTTTC CTCTTCTTCC
 227001 TTCCCTACAA ATGTTTATAA AGTTTGCAAT ATAAGCCAAA TGTACAGAT
 227051 AGAGTGGCGA AGAAAACAAG TCCCTGTCTT AATGATTTCC CAGTATAGTC
 227101 AGGGAGGCAG ATAATTACAG AATACTGTGA TGAGTACACC ATACACTGTG
 227151 AATAAGGCAA ATGTGTGTTG GGTGTGTACT GGGGTATAAC CCCAGTGCAA
 227201 TGTACAATAT CCCTGCTACA AAGTATATTA ACTTCAATGA AACCATAATG
 227251 CATGTGTATT AAGTGAATTA ATGATTGGTG AGTTTCTCTT TTAGCTATGT
 227301 AAACCTGATT ACTGGAACCT CTTTCTAGTT AACACCAATA TACATAATGT
 227351 TCTTTGCTAT GAGTATGCTA ATAAGAGTAA TTAATAATAT TGTAAAGGG
 227401 ATTTATTTAT ATTACAAAGT CTTTTCCTTG CTACCTCCCC TTGCTACACA
 227451 TGGATCAAAT GGAGCTGTCT GGCAAGGTAG CAGACATGTA GCATGTTCTC
 227501 CGTAAGTTGT CACTAATCCT GAATCTGTTG CGTTCCTTGG AGTTTAAAG
 227551 AAGTTGTAGA AATTTAAATT TTTTATAAGA CATAAATCTC TATAAGACAT
 227601 AAACAGAAGG GATAATGGAA AACAGATATT GTGTATCCAC ATCAAAATGA
 227651 TCCAAGTGGC TTATAATCCA GAATATCCCT TCTCTCTTCC AATGAAAGTG
 227701 GTCGCAATGT GTCAAGTACC AAAGTAAAC AGTATGTTGA AATCTCTGTG
 227751 AGACTAGCAT GAGAAATTTT TTTCTGTCAA GGTGAAAAAC ACAATAGTGC
 227801 AAGATTAAGT GACTTTAAGT CATCACCACA CTTAATGGCT TAAGAGTTTG
 227851 AAGAGCTTAA GCAAGGGAAG TTTCTAAGGG ATTCAGAAGC CCTGATGATT
 227901 TCTCTGGTCT ATATCAGTGT TATTGTTTAG CAGAGATTA GGAATTATTA
 227951 CCAAAGTTCT ATGGAAGAAT TGAGGGGTAA CAATTTTCAA ACAGCAAAAC
 228001 TGATCAGACC TATTAACACA TTAAAGAAT CTTAATGGGA AGTGAGGTTT
 228051 TGGAGCATCT GTGAAATCTT AATTACTTCT GAAACAACAT CCAGTTTGGA
 228101 TGTACAAAGC CTTTTTATAA ATATAGTTTA CCAAGGACAT GTATAATTCT
 228151 GCTGATAACT TTTCTCAGCT AGAAGTGCAG CTAATTTGGC TGGGCACAGT
 228201 GGCTCACATC TGTAATCCCA GCACTTTGGG AGGCCAAGGT GGGTGGATCA
 228251 CTTGAGGTCA GGAGTTCAAG ACCAGCCAGG CCAACATGGT GAAACCCCGT
 228301 CCTCTAGTAA AATACAAAAA TTAGCCAGGC ATTATGGCGG GTGCCCTGTAA
 228351 TCCCAGCTTC TCAGAAGGCT GAGGCAGGAG AATCGCTTTA ACCCAAGAGG
 228401 TGGAGGTTGC AGCAAGCCAA GATCACACCA CTGCACTCCA GACTGGGTGA
 228451 GAAGAGCAAG ACTCCATCTA AGAAAGAAGA AGAGAGAGAG AGAGAGAGAG
 228501 AGAGAGAGCC AGCCAGCCAG CCAGCCAGAA AGAAGGAAGA AAGAAAGAAA
 228551 GAAAGAAAGA AAGAAAGAAA GAAAGAGAGA AAGAACAGCT AATTTCCCAA
 228601 ACATTTAAGA GTGTTAAAGT TTGTAGATTA CCTTGGCTCA TAATGTAGTT
 228651 ACTAAGATAT GGAGACAGAA TTTTCATTTC TAAGAAGTTC AAAGAAAATG
 228701 AAGTTAGAGG TCATCTTCTG TCTTTCTTAC TGAGCAATGA TGATCCTAAA
 228751 CAGTTACTGT AGTAACATGT GATCTGTTAT CTGAGTAGTA ATAACACATA
 228801 CCCAGTTCTA CATTTCAAGT CACTGCTTTC AAAGCACTCT CCTTGTGTTG
 228851 TAAAGGTGAC CTTTTCAGAT CGTACTTTAA AAAAATAAAA CAGTGGTATC
 228901 CTAACCCACA GGATGAGATT CAAACTCCTA ACCTGGCACA CAAGATTTTT
 228951 TTCTGGCCCT TGCCCTATAC ATCTAGGTTT ATCAATCCCT TCCTCACACC
 229001 TTACATTCCA GTAGACCCAA ACTTCTTGAT ATTTCCATGA ATATACTCAG
 229051 TTGTTTCACA CTTCTGAGCT TTCACACTGC TTGATCCTTT CTAGAGAATG
 229101 CTTCCCCTCC CGACTGCTTG GCAGCTCTAC TTCTATCTTT CTATTCAATC
 229151 ATTAAGTGAT TATTGAAAAA AAAGTTGTAT GCCATACTAT GTGTTGGCCT
 229201 CTGAGAATAT TTCAGTGAAC ACAACCTTGC CCTGCCCTCA CAAACACCAG
 229251 AATTACAAAC CTTCTACTTC TCTGTAAAGC TTTCTTGGG TTGCCAACTG
 229301 ATTAGACCAT GTCCAAATAA GGCAATGCC CAGCTGTAAC CAGTAAAGCT
 229351 GGTTCATATC CTCACCTCCA TTTTCTATCG ATAAATGCTG CTTGCCTGCA
 229401 GAATAGAGTT CTCCAAACCT CTTGTGGTTC TGAGGGCTGT CCAATTCATA
 229451 AATCATTCTT TGCTTAAATA AACAGTTAAA TTTGTCTCCA AAGGCTGGGA
 229501 AGGAGAGAAG AGAGGAAGAT AAGAAGAGAT TGGTCAATGA GTATAAAGTT
 229551 AAAATTAGAT AGGAGGAGTA AATTTCCGTA TTCTATTGCA CAGTTGGGTG
 229601 ACCGTGGTTA GCAATATCAT ATTGTACATT TCAAAATGGC TAGAAGAGAA
 229651 GATTTTGGAT GTTCTTACCA CGATGAAATG ATGAATGTAT AAGGTGATGG
 229701 ATATGCTAAA TACACTGATT TGATTTTTAT ACAATGTATA CATTTATCTA
 229751 AACACCACAT TGTATCCCAT AATTACATAC AATAATTATG TGTCAATGAA
 229801 AACAAAATTT AAAACATTTT TAAGAGATTT AAGAAATTA TTTGTTCAAA
 229851 GTTAATCTTT TAACCCTAAG TTCTAAAAAC TTACTCTAAC ATAGGTCTTC
 229901 TACAAAGACT ATGCACCAAT ATAGTGATTT CAAAACCTGG TTTAAGGTAA

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229951 ATGCAGAAAT ATTTTTTATG TATTGTTTC TTATCCTGAC CTACCATAAA
230001 AGCTCAATGC CTATATTGGT CCTCTATGGA TGCATAACAA ATTACTCAAA
230051 AACATATGGG CTGAAAAACAA TGATAATCAT TTATTACCTC TCATAGTTGC
230101 TGTAGGTCAT GAATTTAGGA GGGCGTAACT GGATGGTTCT GGCTCAGGGT
230151 CTCTCATGAG TTTGCAGTTA GCTATCACCC AGGGCCACAG TCATCTGAAG
230201 GCTTCACTGG GGCTGGAGAT TGCATTTCCC AGATGACTCA CACAGCTGGC
230251 CTCAGATCCC TTCCAAATTG GCCTTTCCAC AGAGAATCTT GAGTGTCCCTC
230301 AAGGATAATA ATGTTAGATA CTGGGCACAG TTTTtagact GACCAATATT
230351 GCTGCCTTGG GAACCTGGAT GTGGCTGATG TTCCTACCGC AAACCTGCCT
230401 GGATGGACTT CATGTGGTCT CTGCTTCTTC TCATTATCAA TTTTTTTTTA
230451 AGACAGGGTC TCACTCTATT GCCTGTGCTG GAGTACAGTG GCACAATCAT
230501 GGCTCACTGC AGCCTTGACC TCCTGGGCTC AGGGTAATCC TCCCGCTTCA
230551 GCCTCTCATG CAGCAGGGAC TACAGGCATG TGCCACTATG CCTGGCTAAT
230601 TTTTTTTTTT TTTTGTATTT TTTGTAGAGA TGGGGTTTTG CCATGTTGCT
230651 CAGGCTGGTC TTGAACCCCT GGGCTCAAGT GGTTCACCTG ACTCAGCCTC
230701 CCAAAGTGCT GGGATTACAG ATGTGAACTA CCATGTCCAG CCAAATTCAT
230751 CTTACTGGCA GAGGCTGGTC ATATTCTAC ACCCTAATTA CATGGGAGAC
230801 TGGTAAGTTA GTCTTCGGCA TTCATGGCTT TAATGGGAGC CAGGCTCTGT
230851 CTCACAAAGT AAAAGATTCC CCTTACAAGG GAAATGAGAA TGTAAGGCCA
230901 AAAATAACAA ATATTTACTA TATTAATGAG CTCCACTGTT GTAAGGATAG
230951 AATTTTAGGA ATAAGTAGAG ATGTGAAAGG AGAGATGGCC CTTGCGGTGT
231001 CTTGTGGAAG CATCTCCTCT TTTGGCTTTC ATAGAAGCTA AGGAGTACAT
231051 GATACCAGGT AATCATTTTT CAATTATCT TCTGTTCTGC TGACGATAGT
231101 GAGAGCTACA TGCTTCCCC GCAATTGTCA GGATTACAT TCTAATGAAA
231151 AGTGAGAAGC CATCTGGTG GTAATGTAAA CTAGTACAAC CACTATGGAA
231201 AACAGTATGG AGATTCCCTA AAGAACTAAA TGTAGAACTA CCATTCAATC
231251 CAGCAATCTC ACTACTGGGT ATCTACCCAA AGGAAAAGAA GTCATTATAT
231301 GAAAAAAGAT ACTTACACAT GCATGTTTAT AGCAGCGATT GCAAAAATAT
231351 GGAACCAGCA TAAATGTTCA TCAACCAATG AGTAAAGAAA ATGTGGGTATA
231401 TATATATATA CACCATGGAA CACTACTCAT CCATAAAAAA GAACAAAATA
231451 ATGGCATGCA CAGCAACCTG GATAGAGTTA GAGGGGCCAT TATTCTAAGT
231501 GAAGTAACTC AGGAATGGAA AACCACCAT CATATGTTCT CACTTATAAG
231551 TGGGAGCTAA GCTGTGGGGA CACAAAGGCA GAATGATATA ATGGACTCTG
231601 GGGACTCAGG GGGGAAGGTG GGAGGGGGTG AGGAATAAAA GACTACACAT
231651 GGGGCACAGT ACACACTGCT CTAGTGATGG GTGCACCCAA ATCTCAGAAA
231701 CCATCACTAA AGAAGTTATC CATATAGCCA AAAACCACTT GTTCCCCAAA
231751 AACTATTGAA ATAAAAATAA ACAAAAATTT TAAAAACTTA AAAAAAGAGA
231801 AGGAAGTACT GCTGATACAC TTTCTTAAAG TATTTGAATC AGTCTTGAAG
231851 CCAGATCAAC CTCCTATTAC AGAAAAGCAG GTTTTGTGTT TAAAGCTAAA
231901 TTTCTTCATG TTGGCAGATA AGAATAATTA AACTCCCCAA ACATTGGCTA
231951 GTGTCTCCAC AGGGAAAGCA CAAATGAAAA AGTTAGGGTC TGGCTTCCAC
232001 AAATCTCATC TTAGCCTGTA TCCACATTTA ATTACTGAAT GTCATCCAA
232051 AAAACAGACA TTCTGCTCTT TCCTTTTACT GGTAGCTACT GTTCTTAGAG
232101 GTTTTTCTCG GTGTATTCAA AAGGAAACAA GAATTTCCAA ACTCCTTAAC
232151 TCTTGTTGTT TTTAATCATC TATAAAATTC AGGTGAATAT TTGCAGTGTG
232201 AAATAACCAT AATAAAAAATA TTTTATTTTC TATCTTCTGG TATTTATCAT
232251 ATTTCTCTATA AGTAGCAAGT TTGCTTTTCC CAAGTTGATC CACTTTTCC
232301 CAACTATTTA ATTTTGGTGT AGGCAGTGGA GTCCTATTGA TACACTGAGA
232351 AGCTGCTCCA TGCAAAGCAT TGTGGTGGAC ATCATGGGGA GGTAGTGTA
232401 ATTTGCCTTG GGTCTTTTGT AGCAATAATG CACCTTTATA TATAAGTTTA
232451 ATATACATTT AAGCTTTACT AGAGCCATAG AAGATAGGAT TCTTTTTTTT
232501 GTGTCAATGA GGCAACTGAG TCACAGATTT TTACCTTTCC AAACATCACA
232551 GAATCAAGAT TCAAACCCAA GTCCTCTAAG CCAGCTCACA TACTTGTCTC
232601 AATATGCCCC AGCTCCCTTC CTACTGGAAG GCATTTGAGG TTGTTCTCTC
232651 CTAGACCATC TTCTTCCTTT TCCTCCTGTG CTTTTCTACT CCAGCATCCT
232701 AATGTGGTTT GGCATTGACA CCGCTGATGC CACAGGGTTG ACAACAACCT
232751 CTTTGGCAGT GGCTTCTGCC CTGTACCAAT AAAATCAATT CTCTGAAAGA
232801 GCTGGGGATG GACAAGAAGT GGTAGGAATG GTCATGTCAT TATTTCTAAT
232851 ACTGCTCTTA TCAAATACCC AACTTATTAA AGGAACCAAG ACAATAATCT
232901 CCATGCCCTC AACCTTATCC ACTTCAACCT TTAGGCTGGG TTTTCTAGGA
232951 AGCCGTCTCT GACAGAGTTG AGTAGGCAGG ACTTTTATGC ATGAGTGCCC
233001 TTGGGATTGA CCCTGTGGAC AGAAGGAGAA GGATGCAGGA TGAGGCAGAG
233051 GGAGAAGTTG AGCAGTGATG AAGGCCTGAC AAGCCTTAGC CAAACCTCA

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2332101	GAGAGCTCCA	GTCCCATGGG	TGTTGCCAGC	AAAGGCCATA	ATGGTTAGGT
233151	TCTCTACCTC	TACCATGATC	AGTCATTA	GGTTGCTACT	TGGAGGGGCA
233201	TGATTTGGGG	GAAGGCAGCT	TTCTGAGGCT	GAAGAATTTT	CTGAAGGGGC
233251	CACAGCTGGA	GGCTGTCTAG	TCCCAACAGC	TGGGGTAGCA	AGTTCTTCCT
233301	TCAAGGAGGA	TCTGCATAGT	GCATCTCCAT	TTCTGGGGTG	TTGAGGTGTT
233351	GAGGTGAGGC	AGTACAGAGA	CTACCTCTGT	TTGCAGATTG	TTGCAGAGTT
233401	TTGTTGCCAT	TCTGATGTCC	ACTATTGTCA	CAGGAGAAGC	TCAAGGAAAA
233451	ATCTTCACCA	AGTTTGTGTC	AGCTAAGCCT	CTCAGCAGAG	TAGAGCAGCT
233501	TTACACAGTG	CCTGCTGATT	CACAGCCCCT	CATAATAAGT	CATGGGGCTG
233551	TCATCTGGAG	AGGTGGAGAA	ATGAGATGGA	AGACATAATG	ATCACCCCCA
233601	ATTTCAACCT	TTTAGAGGGG	AAGTCTGTGC	TGATGATCTT	ATTTTTTTTT
233651	AATPATCACA	TGAAACTCGT	TATTTGGTTG	TGGCACTTCT	ATGGGATGTT
233701	AGAGCACTCA	TTTGGGAGTC	AGGAAACCAC	AGTTCTAGTC	TGGGCTCTGC
233751	CCCTTTCTAT	GACCTTGTGC	AAGTCATAAA	ACCTCTCTTG	GCCTGAGTCT
233801	TCACACCTGT	AAGATGAAGA	AATTTGACTT	GAGGTGTTCT	AGGGTCACAT
233851	CCAGCTCAGA	ATCATGATGA	ATCTCTATCA	TTTAGGCCAG	AGGTCAGCAA
233901	ACTATTGGCT	GCATPTCCAA	TCTGTCTCAC	TGCTGTTTTT	TGFAAATAAA
233951	ATGTTACTGG	AACACAGCCA	TGCTCATTCA	TTTACCTATT	GCCTATAGCT
234001	ATTTTCATGC	TACTGAAGCA	GACTTGAGTT	GCAACAGAAA	TTCTATGGTC
234051	TATAAAGTCT	AGAATATTTA	CTACCCGCCC	CTTTACAGAT	AAAGGTTTGC
234101	TGACCTTGAT	CTAGGCCAAT	CTTCTGTCTA	GTCCGATTCC	AAGGAGTAGG
234151	AGGAGAAATA	TGAGCCATGA	GGATATCACT	TTGCAATAAT	TGGCAAAGA
234201	TGGGTATCAG	TCAAGTAACT	GCATATTTCT	AAGTATTCTT	TAGGAAATTC
234251	AGAGCAAGAC	GAGGGTTAAA	GATTAGGTAA	GAAGCATTCT	AAATGTACAG
234301	TGCACCAAGG	GCAGTGTCTG	TGAGGATTCC	TGAGTAAGCA	ATGTCTCAGG
234351	TGCTTAAGTG	AGATCTTGTT	TGCCAAATA	TCACCTCTG	TGGTCCCTGC
234401	ATCAGCTCTT	TATTACCAC	ATGGCAGGGT	GTTTAGCAGG	GAGGGCAAA
234451	ACAGCTTTTT	CTTTTATGAT	CAAGTCAATT	GTCCAGCAA	CTGAAATGGG
234501	TAAAGGGAAA	TTTTAGAAGA	AATTTTCAA	AGAAATGAGA	CAGAAAACTC
234551	TCTGCTGGTG	AAATGTCAGA	ATTATCAAGC	TGTCACCTCT	TCAGGGAAAA
234601	TAACTTTGCT	GGTGAGAGAC	CATAGAAGTA	GGAGGAATCC	TGACAATATT
234651	ACTATTATGA	GCTGTGCTTT	GCACTTTTAG	GAACACAGC	ATCCAATTGC
234701	CAATGTGTCT	TTCGTATCAT	TTTGTTTTCA	TCTCATTGTC	AAAACATCCC
234751	CATGGGATAT	TGTCAGATGT	CATAATCTCT	ATCATCTCTA	ATTTACAGAA
234801	TGAGAAGAGA	GACTTTCAGGA	TGATTTTGCC	ATGCATAATG	CTCATAACAT
234851	TTACTGTTGG	TCCCAGCCAT	TTGCTTCTTA	GCATTTGTTT	CCTTTGATTG
234901	CTCTTTATCT	TTGTTAGCAT	AGGCATTGTC	TTCCAAGTA	AATGCTATGC
234951	CTGACCTATG	TCTTAGATCA	CAGAATTGTT	GAATTGAGGG	AAGGCCTTCA
235001	GTCTAATGAA	ACTACTGAAA	TATAAAATGA	GGGAAGTGAG	ACCCAGGGAG
235051	TGGCCTGTAG	CTGGTGAGAG	AACTAAAAGA	ATAAGTGTGG	TCCCTAACT
235101	TGAAGGTTAT	TGCTTTTTCC	ACGGACCTCA	TTTACCTCT	TTGCATGCCC
235151	CATACATAGT	ATAGTGCTTT	ATGTATATGT	ACTCCATAGT	ACTACTAGGG
235201	ATCATCTGTA	TAGATAGCCT	ATCTTCTTAA	TTGACTGCAA	GATTTTTATA
235251	GGTTAAGAAT	CACAGCTACT	ATTTATATTG	CTTTTGATTT	AAC'TCCACC
235301	TATTTAGCAT	ATAAAATATA	TGGCTTAAAA	AAC'TGGAAAT	AGATGAGCAA
235351	ATTTAAGCCA	AGACAAATTG	AAGGAGAGAA	ATTTACAAAA	TCAGAGTGGA
235401	AATAAGCAAA	ATAAAGAATG	GA AAAACAAT	AAAGGATGTC	AGTGAAACAA
235451	AAAAAAATAG	GTTCTTTGTA	AAGATCAACA	AATATTGACC	AACAAAATAA
235501	AAGAGAAGAT	TCAAATTAAT	ACATCAGAAA	TGAAAGAGGG	GACATTTACTA
235551	CTAACCTTAA	AGAAATAAAA	AGGATTGTAA	AGGTATACTA	CGAACACACG
235601	TATACCAACA	AAACAGATAA	ATTAGATGAA	ATGGACAAAT	TTCTFAGAAAG
235651	ACAAAAATCA	CTGAAACTGA	CTCAGAAAGC	ATAGAAAGCT	GAATACAGGG
235701	ATGTGCACCT	GTAGTCCCAG	CTATTGGGAG	GCTGAGGTGG	GAGAAT'CACT
235751	TGAGCCTAGG	AGTTCAAAGT	CAGCCTGGGC	AACATAGCAA	GAGTCTGTCT
235801	CTAAACATAA	ATACACAAAT	AATTTTTTTT	ACAAAAAGTA	ATAGAAAAACC
235851	TGAATATTGCC	TATCATATTTC	TATAGGACAT	AGATTTTCTA	TATACAAAACT
235901	CATGTTATCC	GCAAATTGAG	ATAATTTTAC	TTTTTCTCTT	CCAA'TTTGGA
235951	TTCTTTTGAC	TTCTTTTCT	TGCCCAATTT	CCCTGGCTAT	AACCTGTAGT
236001	ACAATGTTAT	ATAAAAAATG	CAAGAGAAGA	CATTCTTGTC	AGGAGGAAAG
236051	ATATACTATC	CTTCTCTCAT	GTTACTGGAT	TTGACTTACT	AGTATTTTAA
236101	TAAAGGCAAA	ATTAGGGTTT	TGTATTATAC	TTTAAAGATCT	GGGATACATG
236151	TGCAGGAGGT	GCAAGTTTGT	TACATAGGTA	TACACATGCC	ATGGT'GCATT
236201	GCTGCACCCA	TCAGCCCGTC	ATCTACATTA	GGTATTTCTC	CTAATGCTAT

236251	CCCTCTACTT	GTCCCCAAC	CCCCGACAGG	CCCTGGTGTG	TGATGTCCCC
236301	CTCCCTAAGT	CCATGTGTTC	TCATTGTTC	ACTCTCACTT	ATGAGTGAGA
236351	ACATGCAATG	TTTGGTTTTT	TGTTCTTGTG	TTAGTTTGCT	GAGAATGATG
236401	GTTTCTAGTT	TCATCCGTCT	CCCTGCAGAG	GAAATGAACT	CATCCGTTTT
236451	TATGGCTCCA	TAGTATTCCA	TGGCATATAT	GTGCCACATT	TTTTTAAATTT
236501	ATACTTTAAG	TTCTAGGGTA	TGTATACACA	ATGTGCAGGT	TTGTTACGTA
236551	TGTATACATG	TGCCATTGTG	GTGTGTGCAC	CCATTAACTC	GTCATTTTACA
236601	TTAGGTGTAT	CTCCTAATGC	TATCCCTCCC	TCCTCCACCC	ACCCACGAC
236651	AGGCCCTGGT	GTGTGATGTT	CTCCACCCTG	TGTCCAAGTG	TTCTCATTGT
236701	TCAATTCTTA	CCAATGAGTG	AGAACATGCA	GTTCTCACTG	GTTTTCCCAG
236751	CACCACTTAT	TAAATAGGAA	ATCCTTTCCC	CATTTCCTGT	TTTTTGTGAG
236801	TTTGTCAAAG	ATCAGATGGT	TGTAGATGTG	TGGTATTATT	TCTGAGGGC
236851	CTGTTCTGTT	CCATTGGTCT	ATATATCTGT	TTTGGTACAA	GATACCAGCT
236901	GTTTTGGTTA	CCGTAGCCTT	GTAGTATAGT	TTGAAGTCAG	GTAGTGTGAT
236951	GCCTCCAGCT	TTGTTCTTTT	GGCTTAGGAT	TGCTTGGCA	ATGTGGGCTC
237001	TTTTTGTTTG	ATTTTCTGTC	CTTGCAATAG	TTGGCCACAT	TTTCTTAATC
237051	CAGCCTAACA	TTGATGGACA	TTTGGGTTGG	TTCCAAGTCT	TTGTTATTGT
237101	GAATAGTGCC	ACAATAAACA	TACATGTGCA	TGTGTCTTTA	TAACAGCATG
237151	ATTTATAATC	CTTTGGGTGT	ATACCTAGTA	ATGGGGTCAC	TGGTCCAAT
237201	GGTATTTCTA	GTTCTAGATC	CTTGAGGAAT	CACCACTG	TGATCCACAA
237251	TGGTTGAACT	AGTTTACAGT	CCCACCAACA	GTGTAAGAGT	CCCTATTTCT
237301	CCACATCCTC	TCCAGCACCT	GTTGTTTACC	TGACTTTTTA	ATGATCGCCA
237351	TTCTAACTGC	TGTGAGATGG	TATCTCATTG	TGGTTTTGAT	TTGCATTTCT
237401	CTGATGGCCA	GTGTTGATGA	GCATTTTTTC	ATGTGTCTGT	TGGCTGCATA
237451	AATGCTTCT	TTTGAGAAGT	GTCTGTTCAT	ATACTTTGCC	CACCTTTTTGA
237501	TGGGGTGTGT	TGATTTTTTC	TTGTAAATTT	GTTTAAAGTT	TTTGTAGATT
237551	CTAGATATTA	GCCCTTTGTC	AGATGAGTAG	ATTGTAAAAA	TTTTCTCCCA
237601	TTCTGTAGGT	TGCCTGTTCA	CTCTGATGGT	AGTTTCTTTT	GCTGTGCAGA
237651	AGCTCTTTAG	TTTAATTAGA	TCCCATTTGT	CAATTTTGGC	TTTTGTTGCCA
237701	TTGCTTTTGG	TGTTTTAGTC	ATGAAGTCCT	TGCCCATGCA	CATGTCCTGA
237751	ATGGTATTGC	CTAGGTTTTT	TTCTAGGATT	TTTATGGTTT	TAGGTCATAAC
237801	ATTTAAGTCT	TTAAACCCATC	TTGAATTAAT	TTTTGTATAA	GGGTGAAGGA
237851	AGGGATCCAG	TTTCATCTTT	CTGCATATGG	CTAGCCAGTT	TTCCAGCAC
237901	CATTTATTAA	ATAGGGAATC	CTTTCCCCAT	TTCTTGTTTT	TGTCAGGTTT
237951	GTCAAAGATC	AGATGGTGTG	AGATGTGTGG	TATTATTTCT	GAGGGCTCTG
238001	TTCTGTTCCA	TTGATCTATA	CCTCTGTTTT	GGGACCAGTA	CCATGCTGTT
238051	TTGGTTACTG	TAGCCTTGTA	GTATAGTTTG	AAGTCAGGTA	GCGTGATACC
238101	TCCAGCTTTG	TCTTTTTGGC	TTAGGATTGT	CTTGCGAATG	TGGCTCTTTT
238151	TTTGGTTCCA	TATGAACCTT	AAAGTAGTTT	TTTTCCAATT	CTGTGAAGAA
238201	AGTCATTGGT	AGCTTGATGG	GGATGGCATT	GAATCTATAA	ATTACCTTGG
238251	GCAGTATGGC	CATTTTCACA	ATATTGATTG	TTCCATATCA	TGAGCATGGA
238301	ATGATTTTTCT	ATTTGTTTTG	GTCTCTTTTT	ATTTCAATTG	ACAGTGGTTT
238351	GTAGTTCTCC	TTGAAGAGGT	CCTTCACATC	CCTTGAAAGT	TGGATTCTTA
238401	GGTATTTTAT	TCTCTTTGAA	GCCATTGTGA	ATGGGAGTTC	ACTCATGATT
238451	TGGTTCTCTG	TTTGCTCTGT	ATTGGTATAT	AGGAATGCTT	GTGATTTTTG
238501	CACATTGATT	TTGTATCCTG	AGACTTTGCT	GAAGTTGCTT	ATCAGCTGAA
238551	GTAGTTTTTG	GGCTGAGACG	AGGGGGTTTT	CTAAATATAG	ACTCATGTGA
238601	TCTGCAAAACA	GAGACAATTT	GACTTCCCTT	TTTCCATATT	GAATACCTGT
238651	TATTTCTTTC	TCTTGCCCTG	TTGCCCTGCG	CAGTACTTCC	AATACTATGT
238701	TGAATFAGGAG	TGTAGGAGAGA	TGTCATTCTT	GTCTTGTC	AGTTTTCAAA
238751	GGGAATGCTT	CCAGCTTTTT	CCCATTCAGT	ATGATACTGG	CTGTGGGTTT
238801	GTCAATAAATA	GCTTTTATTA	TTTTGAGATA	TGTTCCATCA	AAACTTAGTT
238851	TATCGAGAGT	TTTTAGCATG	AAGGGGTGTT	GAATTTTGTC	GAAGGCCTTT
238901	TCTGTGTCTA	TTGAGATAAT	CATGTGGTTT	TTGTCAATTG	TTCTGTTTAA
238951	GTAATGGATT	ACTTTTATTG	ATTTGCTGTA	GTTTAAACCAG	CCTTGCACTG
239001	CAGGAATGAA	GCTGACTTGA	TTGTATGTGA	TAAGCTTTTT	GATGTGCTGC
239051	TGGAATTCAGT	TTGCCAGTAT	TTTATTGAGG	ATTTTCGCAT	CGATGTTTAT
239101	CAGGGATATT	GGCCTGAAAT	TTTCTTTTTT	TTGTTGTGTC	TCFACCAGGT
239151	TTTGGTATCA	GGATGATGCT	GGCCTCATAA	AAAGTCAGGG	AGGAATCCCT
239201	CTTTTCTCTAT	CGTTTGGAAT	ACTTTCAGAA	GGAAATGGTAC	CAGCTCTTCT
239251	TTGTACCTCT	GGTAGAATTC	GGCTGTGAAT	CCATCTGGTC	CTGGACTTTT
239301	TTTTGGTTGGT	AGGCTGTTAA	TTACTGCCCC	AATTTACAGAA	TGTTTCTTTT
239351	GTCFATTTCAG	GGATTAACT	TCTTCTGTAT	TTAGACTTGG	GAGGGTGTAT

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239401 GTGTCCAGGA ATTTATCCAT TTCTTCTAGA TTTTCTAGTT TATTTGCATA
239451 GAGGTGTTTA TAATATTCTC TGATGGTAGT TTGTATTCT GTGGAATCAG
239501 TGGTGATATC CCCTTTATCA TTTTATTATG TGCTATTG ATTCTTCTCT
239551 CTTTTCTTCT TTATTAGTCT GGCTAGCGGT ATATCTATTT TGTGTCAGT
239601 AAACCAACTC CTGGATTCAT TGATTTTGTG AAGGGTTTTT CCTGTCTCTA
239651 ACTCCTTCAG TTTTGCTCTG ATCTTAGTTA TTTCTGCTCT TCTGCTAGCT
239701 TTTGAATTTG TTTGCTCTTT CTTCTCTAGT TCTTTAATTG TGATGTTAGG
239751 GTGTCAATTT GAGATTTTTC CTGCTTTTGC TTGTGGGCAT TTCATGCTAT
239801 AAATTTCCCT CTAAACACTG CTTTAGCTGT GTCCCAGGGA TTCTGGTACG
239851 TTGTGCTCTT GTTCTCATCA GTTTCAAAGA ACTTATTTAT TTCCGCCTAT
239901 TTCGTTATTT ACCCAGTAGT CATTACAGGAG CAGCTTGTTT AGTTTCCATG
239951 TAGTTGTGTG TGTGTGAGTC GTTTCTTAAT CCTCAGTTCT AATTGATTGC
240001 ACTGTGGTCT GAGAACTGT TTGTTATGAT TTCCATTCTT TTGCATTTGC
240051 TAAAGGAGTG TTTTACTTTC CAATTATGTG GTCAATTTTA GAATAAGTGC
240101 GATGTGGTGC TGAGAAGAAT GTATATTCTG TTGATTTCCG GTGGAGAGTT
240151 CTGTAGATGT CTATTAGGTC TGCTTGGTCC AGATCTGAGT TCAAGTCTCT
240201 AATATCCTTG TTAATTTTCT GTCTCATTTA TCTGTCTAAT AAAGTCTCTC
240251 ACTATTATTG TGTGTGAGTC TAAGTCTCTT TGTAGGTCTC TGAGGGCTTG
240301 CTTTATGAAT CTAGGTGCTC CTGTATTGGG TGCTTATACA TTTAGGATAG
240351 TTAGCTGTTT TTGTTGCATT GATCCCTTTA CCATTATGCC ATGTCCTTCT
240401 TTGTCTCTTT TAATCTTTGT TGGTTTAAAG TCTGTTTTAT CAGAGACTAA
240451 ATTGCAACAC CTGCTTTTTT TTGCTTTCCA TTTGCTTGGT AAATATTATT
240501 CCATCCCTTT ATTTTGAGCC TATGTGTGTC TCTGCATGTG AGATGGGTCT
240551 CCTGAATACA GCATACTGAT GAGTCTTGAC TCTCTATCCA ATTTGCTAGT
240601 CCATGTCTTT TAATTGGGGC ATTTAGCCCA TTGACATTTA AGATTAATAT
240651 TGTTATGTGT GAATTGATC CTGTCATTAT GATGCTAGCT CTTTATTTTG
240701 CTCATTAGTT GATGCAGTTT CTTCATAGTT TAAATGGTCT TTACAATTTA
240751 GCATGTTTTT GCAGTGGCTG GTACTGGTCG TTCCTTTCCA TGTTTAGTGC
240801 TTCCTTCAGG AGCTCTTGTA AGGCAGGCCA GGTGGCGATA AAATCGCTCA
240851 ACATTTAGTT GTCTGTAAAG GATTTTATTT CTCCCTCGCT TATGAAGCTT
240901 AGTTTAGCTG GATATGACAT TCTGGGTGA AAATCTTTT ATTTAAGAA
240951 GTTGAATATT GGGCCCCACT CTCTTCTGGC TTGTAGGGTT TCTGCTGAGA
241001 GAGCCACTGT TAGTCTGATG GGCTTCCCTT TGTGGGTAAC CTGACCTTTC
241051 TCTCTCTTCT GGCTTGTAGG GTTCTGCTG AGAGATCCAC TGTTAGTCTG
241101 ATGGGCTTCC CTTTGTGGGT AACCTGACCT TTCTCTCTGG CTGCCCTTAA
241151 CCTTTTTTCC TTCATTTCAA CCTTGGTGAA TCTGACGATT GCGTGTCTCG
241201 GGGTTGCTCT TCTCGAGGAG TATCTTTGTG TGTTTCTCTG TATTTCTGTA
241251 ATTTGAAAGT TGGCCTCTCT TGCTAGGTTG GGAAGTTCT CCTGGATAAT
241301 ATCCTGAAAT GTGTTTTCCA ACTTGGTTCC ATACTCTCA TCACTTTCAG
241351 GTACACCAAT CAAACATAGG TTTGGTTTCT TCACATAGTC CCATATTTCT
241401 TGGAGGCTTT ATTCATTCCCT TTTTATTCTT TTTTCTCTAA TCTTGTCTTC
241451 ATGCTTTTAT TCATTAAGTT CATAGTCTCT GATATCCTTT CTTCCTTTCG
241501 ATCAGTTTCA GATTTGATAC TTGTGTATGT TTCACAAAGT TCTCGTCTG
241551 TGTTTTTCAA CTCCATCAGG TCATTTATGT TCTTCTCTAA ACTGGTTATT
241601 CTAGTTAGCA ATTCGTCTAA CCTTTTATCA ACATTCTTAG CTTCTTTCAG
241651 TTGGGTTAGA ACATGCTTTT TTAGCTCAGA GGAGTTGTT ATTACCCACC
241701 TTCTGAAGCC TACTTCTGTC AATTTGTCAA GCTCATTCTC CCTCCAATTT
241751 TGTTCCCTTG CTGGTGAGGA GTTGTGATCC TTTGGAGGGG AAGAGGCATT
241801 CTGATTTTTC AAATTTTCAG TCTTTTGTG CTGGTTTTC CTATCTTCA
241851 TGGATTTATC TACCTTTGGT CTTTGATGGT GACCTTCAGA TGGGGTTTCT
241901 GAGTGGATGT CCTTTTGTG GATGTTGATG CTATTCCTTT CTGTTTGTTA
241951 GTTTTCTTTC TAACAGCCAG ACCCTCTGTC TGCAGGCTG CTGGAGTTTG
242001 CTGGAGGCTC ACTCCAGACC CTGTTTGCCT GAGTACCACC AGTGGAGGCT
242051 GCAGAACAGC AGCAATTGCT GCCTGTTCCT TCCTCTGGAA GCTTCATCCC
242101 AGAAGGGCAC CCACAGATG CCAGCCCAA CTCTCCTGTA TTTGTCTGTC
242151 AACCCTGCTT GGGAGGTGTC TCCAGTCAG GAGGCATGGG GGTGAGGGAC
242201 CCACTTAAGG AGGCAGTCTG TCCCTTAGCA GAGCTCGAAC ACTGTGTTAG
242251 GAGATCCACT GCTCTCTTCA GAGCCAGCAG GCAGGGACGT TTAAGTCTGC
242301 TGAAGCTGTG CCACAGCCTC CCCTTCCCCC ATTGGCTCTG TCCCAGGGAG
242351 ATTGGGGTTT TATCTTTAAT CCCCTGACTG GGGCTGCTGC CTTTTTTTCG
242401 GTGATGCCCT GCCCAGAGAG GAGGAATCTA GAGAGACAGT CTGACTACAG
242451 AGGCTTTGCC AAGCTGCGGT GGGCTCTGCC CAGTTCAAAC TTCCCAGCAG
242501 CTTTGTTTAC ACTATGAGGG GAAAACCACC TACTCAAGCC TCAGTAATGG

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242551 CAGATGCCCC TCCCCCACC AAGCTTGAGC ATCCCAGGTT GACTTCAGAC
 242601 TGCTGTGCTG GCAGTGCAAA TTTCAAGCTG GTGGATCTTA GCTTTCTGGG
 242651 CTCTGTGGGG GTGGGATCCG CTGAGCTAGA CCACTTGGCT CCCTGGCTTC
 242701 AGCCCCCTTT CCAGGGAAGT GAACGATTTT GTCTCGCTGG CATTCCAGGT
 242751 GCCACTGGAG TATGAAAAAC AACTCCTGCA GCTAGCTCAG TGTCTGCTCA
 242801 AATGGCCACC CAGTTTGTG CTTGAAACCC AGGGCCCTGG TGGCATAGGC
 242851 ACCCGAGGGA ATCTCCTGGT CTGTGGGTTG CAAAGACCAT GGGAAAAGCA
 242901 TAGTATCTGG GCCAGAGTGC ACCATTCCCTC ATGGCACAGT CCCTCATGGC
 242951 TTCCCTTGGC TAGGCGACGC CCCACCCTGC TTCAGCTCAC CCTCTGTGGG
 243001 CTGCACCCAT TGTCTAACCA GTCCCAATGA GATGAGCTTG GTACCTCAGT
 243051 TGGAAATGGA GAAATCACCC GCCTTCTGTG TTGATCTCAC TGGCAGCTGC
 243101 TGACTGGAGC TGTTCCCTATT CGGCCATCTT GCCCATTCCTA TCCAAAAGTA
 243151 GTTTTTGAAA ATTAACATGG GGATTAAGGA TTCAGCTATT TTTCAGAAAG
 243201 CAGAGCTTTA AGAAAGCAGA GCTCTAGAAC CAGGGCTTCA TGGACGTGAG
 243251 ACCAGTGCAG TTACACAGAG CCCTAGGTTC AGGAAGGAGC CCACACATGG
 243301 GGTTCATATA AATTTTATCT TTGAATTTGT GTTTTATGAG TGAAAGCTGA
 243351 TAACACAGTG GAACACAGGC TCAAGGCTTA AAGCCTTGCT CATGTGCTGT
 243401 CTTGCCCTTA AGACATCTAC CTGGGAAGGT TCCTCTGCCA CCTAGCCCTT
 243451 AATCCCCATC CCATAACTAC TGCAATCTTC CATTCCCAAT GGGATCCTAG
 243501 GTAATAGTGA GGAAGGGTTG CCGTGAGGTA AGACTGCCAG GTCCCTATAA
 243551 GTGTCTACAC TCCCCGTCAG AGTATCTGCC CTAGTTCCTG AGGGAGAATG
 243601 ACATTAAATA CCCAACAAAA AGCACAAATGA CAGGTCCACA GACAAATACA
 243651 GACCCCCCAA AAAACAGCTT TTCTCTTGTT TCTTGAACAA GGATTTCTGC
 243701 GTTGTCAATT AGCACTGGGC CCCACAAATT ATGTAGCTGG CCTGTCTAGA
 243751 GCCTTACTAC TCAAAGTGTG GTTGCAGGAC CAGCAGCATT GGTATCACCT
 243801 GGAACATAT GGAACGTAG AATCCCAAGC CCTACCCAAA CCTACTAAAG
 243851 AAGAATCTGC ATTTTAAACAA GATCCCTGGA TGATTGTAT GACATTAAAG
 243901 TTTGAGAAGC AGTGGTCTAA AACACACTCT GGGATTCAGT CACCTATTGG
 243951 ATGACATCTA TGTTCTTGCC CCAATTATTT TTATTATGAT TGTAAATGA
 244001 ATTGTCCTTT TCTTTGACAT AAAGCAACTA CTATTCATGT TGGAAAGATGG
 244051 GAGGCAGAGG GAAAGAAAGT TGGCCAATAA GAAACACTGA AAAAGGAATT
 244101 GCTCTGAGCA CCAAGCTTTG CCAACCCTGT TACTCGAAAT TATACTTGCC
 244151 CTGTTTTCTA CCCTTGGGCT TAAGGCTTAG CATCTTCTCT AGCAGACTGA
 244201 GTGCCTTATT GAGGGAAACT GTAGCCAGCT TAAAAATAAC TGCAGCTCTC
 244251 CTGGAAATTG CTTTGACCTT TATTTGCATA AGTCTCAAA ACTTGCCAGC
 244301 TCTGAAAAG ATGGGAAAGG AGCACCTTAT TTTTATTCTT GGCGGAAGT
 244351 ATTTTGTAGC TTGCATGTGA GTTACTTAGC ATGGTATGGT TGGTGTGTT
 244401 TTAGTAACCT TTTAGTTCT AGGAAAGATT ATTGTAAAAA GCAACCAACA
 244451 GGAATATGAA ATAAACCCCT ATGCCTTCCT CTGCCCCACT CCCCAGCTT
 244501 CCTGGGAAA AGTATCTGTC CTGGCCAGAG TTAGTGGGAA GGTGAGCT
 244551 GACAGAAAGC TGCTGTCCAG TTGCAGTGAG GGCCGAGGCA AATTTCTCT
 244601 CCAGGTGTGG AAGGGGCAAT CTCCAGGAGT GAGAGAAATG GGAGCAATCA
 244651 GTTGCTGGTA CTTGTGCTT TATCATGAAG GCATAACTGG TGAATGTACT
 244701 ATGAGCAACA CATGTGTAAT TTGTATTATG CCCTTTACAA GGTGTGCTCC
 244751 TGTTAATCCA GTATTTCCAT AACTAGGGAT CTAGTCCAAG GAAAGATCAG
 244801 AGACTTTGGC ACAGAATTAA GCTGGAGAAT ATTATCTCA ATTATATCTA
 244851 TAGGAGCAAG AAGTTCAAAG TGGGATACAT GCCCAACAG GTAGTGCAAA
 244901 AGGAGGATGT ATGTGAGACA TATTAGAATT TGCATTTAAC TTTTAAATTT
 244951 TAAAAAATAG AGCCAGTCCG GGTGGCTCAC GCCTGTAATC CCAGCACTTT
 245001 GGCAGGCCGA GGCAGGCCGA TCACCTCAGG TCAGGAGTTC GAGACTAGCC
 245051 TGACCAACAT GGCAAAACCC TGTATCTACT AAAAAGAAAA AAATTAGCTG
 245101 GGCTTGGTGG CGGGAGCCTG TAATCCCAGC TACTTGGGAG GCTGAGGCAG
 245151 GAGAATTGCT TGAACCCAGG AGGTGGAGGA TGCAGTGAGC CGAGATCTCA
 245201 CTATTGCACT CCAGCCTGGG CAACAAGAGC AAAACTCCAT CTCAAAAAAA
 245251 TAAAAAGGTC GGGTGTGGTG GCTCACGCCT GTAATTCCAG CAGTTTGGGA
 245301 GGCCGAGGTG GGCAGATCAC CTGAGCTCGG GAGTTTAAAG CCAGCCTGAC
 245351 CAACAGGAGA CCAACAGGAG ATAACCTGTC TCTACTAAAA ATACAAAATT
 245401 AGCCAGGCAT GGTGGCGCAC GCCTGTAATC CCAGCTACTC AGGAGACTGA
 245451 GGCAGAAGAA TCACTTGAAC CCGGGAGGCA GAGGTTGCGG TGAGCCGAGA
 245501 TCACGCCATT GCATTCCAGC CTGGGCAACA AGCAGCGAAA CTCCGTCTCA
 245551 AAAAAAGGAA GAAGAAAAAG TTTTACTAAT ATGTAAATG GGGACTTCCA
 245601 CCTTGCTTCT TACTTTGGTC CCTAAGTCAA GCAGGCACAT GTTATATGAG
 245651 ATATGTTGAG AAAAGAATGG GAATTTCTA ACATGAGTCT CTTCTCTCTG

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245701 ACATAGCAAC TACATGGATA TAATTTATAA ATGATCATTG GAGTGGACAG
245751 TTTTTTACTG ATGGGATGTG AAGCACCTTA TAAGAGATCT AAGGACGTGC
245801 ACAGGGAGTA CTCTGCTCCC AGTTCACGGG AGGAAAGAGC AGCATAGGGC
245851 CAAATTGTAA ATTCAGCTCT ATGGATTGCC CTGAGCTCTT GCTAATGGGC
245901 CAGTTTTAGC TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT TTGAGAACAG
245951 AAGCCTTGTT CTTTCACCCA GGCTGGGAGT GCCGTGGTGC GATCTGAGCT
246001 CATTGCAACC TCCGCCTCCC AAGTTCAAGT GATTCTCCTG TCTCAGCCTC
246051 CAGAGTAGCT GGGATTACAG GCAAGTGCCA CCACACCCAG CTAATTTTTA
246101 TATTTTTAGT AGAGACGAGG TTTCACCATG TTGGCCAGGC TGGTCCCAA
246151 CTCGTGACCT CAGGTGATCC GCCCACCTCA GCCTTCCAAA ATGCCGGGAT
246201 TACAGGCATG AGCCACTGCA CCCAACCCAG TTTTAGCTTT TTAATGGAAA
246251 GTAGTGTGT TTCAGTTGAT GGAATATTTC TTTCCCTCAG TTTCAACATG
246301 TTTTATAAGA GCCTTCAGGA TGTTTCATTA AAAACTGTAG CTCTCTCAGC
246351 AGATTTTCATT ACACCTCAAC TTTCATTACC AACTCTTACC CTCTGAACAC
246401 AACTTTGGCC TTCTGCTCCA TTCTGCTGAA GTTTAAAGCT GCAGATAGGA
246451 CCTCTGGTCA GCATTTTGCT TTCCATTGCA AAAAAAGCTA ATGCTCAGGT
246501 ATAAGATTAA GATAAAAGGA AAACTAAGCT TATTAGAAAA ATTCCTAGTC
246551 ACTTAGTCAA ACATCCACAC CTGCTGAAAG AGAATGGCCA AAGGGTCCTC
246601 AGGAACACTT GCTTTTCTAT AGATACATTT CCCCCTGAGT TTTCTAGGAT
246651 AAAAAGCTCA TCTTTTAAAT AATGGTGTTT TGTTTAAACA ATCCTTTGTG
246701 AGAGAGGCTT TCTCCTGGAA TACCTTGTGC ATATTAAAC TGTAATAAT
246751 CTTGTCAATT GGAATAAATC TTCTTAATGT GCGTGTTATA ATTGAATTCA
246801 TCTCTAATTA ATGTAGCATT ACCATGTGGC AAAGTGCGAT TAGCTTCTGT
246851 TTTCTGATTG CCCTTGAACA TCGCCTGAA GTTGCAGGAT TGCTGATGAA
246901 GTCAATAAGG GCTGTGCATT GATTTTCAGA CACAAAGACC ATCACCACCA
246951 TGGCTGAAGA CATGTCCCA GGACCACCA TTTTCAACAG TGTGATGGCC
247001 AGGACCAAGA TGAAACGCAT GAGGGAGTAA GTAGCATGTT GCCTGCCCCC
247051 TAGGAAGGTG CAGTGTAAA GCATATTGAC CAAGTGTGTG ACCCAGTCAT
247101 GTGATACTGT CTTAGTCCAT TTGTGCTGCC GTGACAAAAA ACCTGGGACT
247151 AAGCTGTTCC AACTTAGAAA CTTCTCTCTA AAATTCACCT TCTGTATTGG
247201 TGCTGGTCGA ATAATTAGGG AAGTTTGCA AGAATTATTT TTCAGTTGAT
247251 TTGCACTTAT AGTATTCTTG CAGCACAGCA CATTCTCATC CATGCTAATG
247301 TTTGAAAGCA AAGGAGAAAA AAATGCTGAA AATTATTTC AAGCCTAAAG
247351 CTGTTACTAT GTTTATATAC TTATTGTTTT CTAGCCCTAC CTGTACCAGA
247401 GTGGTCTTTT TTTTTTATTA TTATTATACT TTAAGTTTTA GGGTACATGT
247451 GCACATTGTG CAGGTTAGTT ACATATGTAT ACATGTGCCA TGCTGGTGCG
247501 CTGCACCCAC TAACCATCG TCTAGCATT GGTATATCTC CCAATGCTAT
247551 CCCTCCCCC TCCCCCACC CCACAACAGT CCCCAGAGTG TGATATTCCC
247601 CTTCTGTGT CCATGTGATC TCATTGTTCA ATTCCCACCT ATGAGTGAGA
247651 ATATGCGGTG TTTGGTTTTT TGTTCTTGCG ATAGTTTACT GAGAATGATG
247701 ATTTCCAGTT TCATCCATGT CCCTACAAAG GACATGAACT CATCATTTTT
247751 TATGGCTGCA TAGTATTCCA TGGTGTATAT GTGCCACATT TTCTTAATCC
247801 AGTCTATCAT TTGTGGACAT TTGGGTTGGT TCCAAGTCTT TGCTATTGTG
247851 AGTAGTGCCA CAATAAACAT ACGTGTGCAT GTGTCTTTAT AGCAGCATGA
247901 TTTATAGTCC TTTGGGTATA TACCCAGTAG TGGGATGGCT GGGTCAAATG
247951 GTATTCCCTAG TTCTAGATCC CTGAGGAATC GCTACACTGA CTTCCACAAT
248001 GGTGAACTA GTTTACAGTC CCACCAACAG TGTAAGAGTG TTCTTATTTT
248051 TCCACATCCT CTCCAGCACC TGTTGTTTTT TGACTTTTTT TTTTTTTTTT
248101 TTTTTTTTTT TTTTTTGAGA CGGAGTCTTG CTCTGTGCGC CAGGCCGGAC
248151 TGCGGACTGC AGTGGCGCAA TCTCGGCTCA CTGCAAGCTC TGCTTCCCGG
248201 GTTCACGCCA TTCTCCTGCC TCAGCCTCCC GAGTAGCTGG GACTACAGGC
248251 GCCTGCCACC GCGCCTGGCT AATTTTTTGT ATTTTTAGTA GAGACGGGGT
248301 TTCACCTTGT TAGCCAGGAT GGTCTCGATC TCCTGACCTC GTGATCCACC
248351 CGCCTCGGCC TCCCAAAGTG CTGGGATTAC AGGCGTGAGC CACCGCGCCC
248401 GGCCGTTTCC TGACTTTTTA ATGATTGCCA TTCTAACTGG TGTGAGATGG
248451 TATCTATTG TGTTTTTGAT TTGCATTTCT CTGATGGCCA GTGATGATGA
248501 GCATTTTTTTC ATGTGTTTTT TTGGCTGCAT AAATGTCTTC TTTTGAGAGT
248551 GGTCTTATAA TAACATAATT ACCATGGCAA GAACTGATTC CCAGAAATTG
248601 AAAGTGAGGG AGTATGGATT AATTTTTCCC TCTGTAGAGG GAAACTACCT
248651 CCACCTCTCC TTGCTTGGAG GAGATAATAT AGAAGGTGTT GCTAATTTCC
248701 CAGTTGATAG TCTTTAAAGA GAAGAAAAGT GGTGTGCTTA TTTTACCCGT
248751 AAAAGTTAAC AATGTGGTGT CAGATTTTTG ATCTAAGACT TCATTACTTT
248801 TGCAAAAGTAC ACAATACCCC ATTTCTTAGC ATATTATGAA ATGTTTTAAA

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248851	TAATTAATAAT	GAAATATTT	TGCTAAATTA	ATTGGCCAAG	ATGCATTCTA
248901	ATGATTTTAT	TCCTAGTGTG	TTGTTTTTTT	TCTCCTTATT	GCTTGGCTGT
248951	AATTGACCAA	GTACTTCTG	GCTCACCTTT	TTCATGTGGG	CTACTGCAGT
249001	TTGGGTTACT	CCCCATGGA	TGGTATTGCT	CCTCTAGTGG	AATAACCTGC
249051	CATCCTTTTA	TAATTTATAT	TGTGAATCCT	TATGCCATTC	CAGAAAAGGC
249101	AAAAGGAAAT	CAAGGCTGCA	AATCTGCATG	TCPTTTGAGC	ATGTTGTGTT
249151	TTCTCAGTTT	CAAAGACTTA	GAAGCCAGCC	AGAGAGAGGA	AATCTTGCTG
249201	TTCTTTCTCT	GCACTGTGAT	ATACTGCATG	CTCAGCATAT	GGATGGCAAC
249251	TATTGGGATG	CCAAGAAGAA	TAGTTAATGA	CATTTGTCTC	CATAGAGATT
249301	ATAATGTAGA	GAAAACACAA	AACTTCAAAT	GCAAAACGTT	AAATGACAA
249351	ATAGTGGTTA	TGTAATATGA	GGTGATAATT	AGAAAAAGTC	CCCAAAATAGG
249401	AGCATGGCCA	TGAGCCAAAT	AGATGATGAG	AGCTCTAAGA	TGCAAAAGGG
249451	GAAGTTGGGA	GACCTCTGGG	AGAAGCAGGG	ACTTAGCCTT	CACCTTGGCC
249501	TTCACAGAGG	GATGTAATTT	GGAGAGGTAA	AGAAAAAGGA	GGAGAAGCTG
249551	GAGGTCAGCA	GATTTGGTGT	CTGAGTCTTG	GCCTCACTAA	TAAATGGCTG
249601	TCTAACCTTT	GACAAGTGAT	TTTCTAAGAT	TCAGTTTCTT	TATCTATAAA
249651	ATGGTCATAT	TAATTGGCAT	AGCTGGATTG	CCAGGAAGCA	TACTCAGAGA
249701	TGGAGATTAA	TGTTGTAGAG	GAGGTTTGTG	AGGGAATCTT	CTGGAGACCA
249751	ACACCTGTAG	AAAGGAGGAG	GAAGGAAGCA	GACTGGTCAG	GGAGAAGTCA
249801	AGCTGTGACA	TGGGTCAATTA	GAGGCTCTG	CCAACCCCAT	TGGGAGTTCT
249851	GGGGCTAGAT	GGCCCTGCAG	AACGTGTGCT	AGTTGGGACA	AGAGGGCCTT
249901	TCTAACCCCA	AGTCAATCAG	ACATTGCATG	TGGGCCACTC	TGGGAAGGGG
249951	CGGTGACTGA	ACAAGATGTT	CACTTCTGTA	TTTACCAGTA	TGAGACTTCAT
250001	CTGGATTTGC	CAGTTGTATA	CACTTTGTCA	CATTTTTGTA	ATTTTTCTTT
250051	ATATCTATCT	ATATAATATA	TATACATATA	CACTTATAAA	TTATTATTAT
250101	TACTGATCCG	TTTGAGAATA	GATTCCATGC	TTCATGATTG	TTCAACCCCTA
250151	AATATTTTAA	TGAGTAGCTT	CTAAAAACAA	GAACATTCTC	TTAATATAAC
250201	CATAGTATGA	TGATTGAATT	CAGGAAATTT	CACATCAGTA	CATACATTTA
250251	TTTAACATAC	AAATCCATAT	TCAGATTTCA	TTGATTATCC	CAATAATACC
250301	CATTATAGCA	ATTGTTTTTC	TGATTTCAGGA	TACAAGCCAG	GATCACACAT
250351	TACACTCAGT	TGCTATGTCT	CTTTGGTGTA	TTTACTCTAG	AATGGTTCCT
250401	TAGTCATTCT	TCATCTTTCA	TGACACTGAC	ATTTTTGAAG	AGTGCAGGCC
250451	AGTTGTTTTG	TAAGATATCT	CTTACTGTGG	GTTTGTCTGT	TGTTTCCTCA
250501	TTATGACCTT	CAGGTTATAC	ACTTTTGGTG	TGAGCCTACA	TAGAAATAT
250551	TGTTTGTCTT	GAACTTTTAA	ACATTTAATT	ATAGGAAGTT	TCAGAACCAT
250601	ATAAAAGTAG	TCAGAGTAGT	ATAATTTTTT	TGTAGACTAA	TCAACCCAAC
250651	CAGTTTAAAC	GTTATCACCC	ATGACCAATC	TTGTTTTTCT	ATACTTCCAC
250701	CTGTTCTCAT	ATGTTACTTT	TAAGGAAGTC	CTATTTCATCA	TATGTTATAT
250751	CCATAAGTAT	TAAATAAAT	ATGTGAATTT	TGATCTGCTC	TTTGACACTT
250801	TCCCTTGGAT	GTCCATTAGG	CATCTCAAGC	TCAGGATTTT	CAAAACTGAA
250851	CTCCTAAATT	TCCCTACCAC	ATCTGCCCCC	TCCACAGCCT	TCCCCATTGT
250901	TACATAAGCA	AAGGCAAGAT	CTAGTTAAGA	AAGAACCTTC	CAGCTCAGTA
250951	AGTAGTGCCT	GAAGGCTTAC	TTAGTGTGTG	ACAGTTTAAG	GATATCAGGC
251001	AAATGACTTT	GTCTGCTCCT	CTATGAAGAA	GTTGGGTGGC	AACACACCTG
251051	GTGATCATTC	TGCCATCCTT	CTCCAAGTTC	TCTAAACTGG	GGGCCCTGGG
251101	GCTTTGTAAG	TATTAATATA	TGCGATGTCA	GGCATAGAGT	AGACCTTAGC
251151	ACAGTGGTCA	GAAGGGAAGA	TGCAGGGGGC	AAGCTGCTGG	GATTTATATC
251201	CCTCCTTGCC	ACTGACTAAT	ATGTGTCCTT	GGACAAGTTA	ACCAAACCTT
251251	TTGGGGCTCA	GATTTCTCAT	CTGTGAAGTG	GGACTAATAA	TGATTTTTGC
251301	CTCATAGAGT	TGTTGTTAGT	GTGAGTTTGA	ATAATGTATG	AAATGCACTA
251351	AGAATGGTTT	ATGGCATAGA	GTAAAGTGCT	AGTAAATGTT	AACAACCTTAG
251401	ACTCTCAATA	TATGTGTGGT	TGCTTCACTT	TGAAATCCC	CAGGCCAAGT
251451	GTCTGAAGGT	GTTGACATGT	GTTTGTGATG	TTTTTATACCT	GAGGGCATTG
251501	GTAAGTGAAG	CAGCTGTTTG	TTAAGACATG	CATGTFAGTAT	CTTTTTTAGCA
251551	TGCGAAAAAT	GCTAGTGCCA	ATTTCTCTAG	AAAATGCCAT	GAAGTTGTTT
251601	AATATAAAAT	CCAGACATTT	GCCATTTCTC	AACCTGACTTC	TGGCCACAGC
251651	CACCTTCTCAC	TCTTGACAGG	AGACTACTCC	ATAAATGAAA	CTCCCTTACT
251701	GGTGCACAAA	CAACATCAGC	TCTCAGAAGT	TATTAGGTGG	TACTGCTCAA
251751	AGTCATTGGA	ATGTTGGCAA	AATGACAAGA	AGTCAGTGTT	GACTTCTTTT
251801	CTGACTGAGG	AATTTCCATG	TACATTTGAA	GAGTGGTTGC	TATTCATGTA
251851	TGGATAGATA	AATGATGAAT	GGATAGATGA	ATTGATGGAT	AGGTAGGTGG
251901	ATGGATGGGT	GAACGGGTGG	ATAAGTGGGC	CTTTGTGGCT	CCATGGTCTT
251951	CCTGAAACTT	CTGCTCTCAG	GAAAGGGTTT	CTGTTCAAAA	AAGTTTTTTG

252001 TTTTGTGTTTG TTTTTTTTTG TTTTTTTTACA CCTCAAGCCA GATTAAATTC
252051 CAGGCCTGGC TCCATGCTCC CACTAGAAGC CAAAAAGGAG ACCCTGTGGA
252101 ATGACGGCTC GTCAGCTTTC AGCTCTGAGG AGGGCAAGGG GCCACTGTGA
252151 CTAAGACTGG TCCTTTAACT CACAGAGGCC AAGGCAATGT ACATGAAGGG
252201 CCTGCTCTAT CTAAATGAAT TATCCTCTTG GCCTCAGCTT TATACATCAA
252251 GTAAGACCAC TGGTGTCTCG TGCCTTACTA CTTAGAGTGT GGTCCCTGAC
252301 CTGCACCAGG GACATCATCT GGAAACCCGT GAGAAATGCA AACTCTCTGG
252351 CCCCCTCCCT CCTGAATCAG AATCTGAATT TTAAACTATT TAGAAATTCA
252401 TATACACATT AAAGTTTGAG ACATTTGTTA CCAGAATGTG AGTTGGAATC
252451 AGTCTTAATA AAAATCAAAT ATTATATAAA ATATATTAAT ATATTTATGT
252501 TTTAAGGCC TAATATTTT GACTTTTAAA AATTTACTTA TGCTGGGAGT
252551 GGCAGCTCAC ACCTGTAATC CCAGCACTTT GAGAGACCAA GGAAGATTGA
252601 TCACCTGAGG TCAGGAGTTT GAGACCAGCC TAAATTACTA AAAATACAAA
252651 AATTAGCCGG GCATGGTGGC ACACGCTGT AATCCAGCT ACTAGGGAAG
252701 GTGAGACAGG AGAATCGCTT GAACCCAGGA GACAGGTTGC AGTGAGCTGA
252751 GATCACGCCA TTGCACTCCA GACTTGGCAA CAAGAGCGAA ACTCGGTCTC
252801 AAAAAATAAA ATAAATTCAC TTATTTTCCA TTTATTTTAA TAAGGAGTAT
252851 ATAATTTACA TGCAGCAAAA CTCACCTCTT TTTATATATA GTTCTATAAA
252901 TTTTGATTG TATACAATAA GATTCACCTT TTTTAGTAAA CAGTTCTATC
252951 AGTGTTGACA AGTGCAAATA GTCGTATAAT TATCAGCACA ATCAAGATTA
253001 TTATAGAACG GTTCTCTGTC CCCGAAAATT CCCTGTGCTC CCCCTTTGTA
253051 GTCAGCTCCT CCCACCATAC CCTGTACCTC ACAACCATGG TCTACTTTCT
253101 GTCCCTATAG TTTTTCCTTT TTATAATGTC ATATTAGTGA AATCATCACT
253151 TAGCATCATA GACCCCACTT GTAACCTGGAT AGTTAGTTAT GAATATGGAT
253201 CTAGATCTAT GCATAGTCAT ATGCTAGAGC CTTGCAATTT TGAATAACTT
253251 CATTCTCCAC AGAAGTGTCA CAAGGAGACT CAGGTCTGGC ATTAAAGTCA
253301 CAGGCACCTC ACTAGCAGCG GTCCCGAAGG TTTCTGTCCC CAGTAAGAGT
253351 CTGCTGTTAG AGAAACTTGC TACCCAGAAA ATTTTGAGGC TGAAGTCTG
253401 GTTTCCTGTG CAGACTTGTC AGCTTTTTCG AATGGCTGGG AGGCCTTAGT
253451 TCCTGGAAAC AGTGTGAGTA GAGGGAGTCT CCTTCATCTT GCTCTATTGA
253501 GATTTCTAGG GATCAGATCC ACCTCACTAA AAAGCTCAAT AATGGAAAAG
253551 GCCTGAGAAT CTGGGGGAGC TTCTGAGCCC ACTTTTCCAA TTGGAAGTCA
253601 GGGACCTGAA AAACATCTGG GCCCTAAGAA ACAGTTTAAT GACAGGGATG
253651 GCATCATTTT CTGGTGACAT TCTCTGAATC ACCTTTGCAT TGCCAATTCA
253701 TGCAGTGAGC ACAGGAAAAA AATAATCTTT GTAGGGATAC GTGTTCTCCA
253751 CTTTAGGAAC TGCAATTACA CATATAGTAG GCTATTTGAA GTTGTCCCAC
253801 AGCTTACTGG TGCTATGCTC TTTTTTTTTA AGGCTTTTTT TTCCCTCTCT
253851 GTCTGTCAAT TTGGATAGTT TCTTTTGCTA TGTCTTAAAA TTTATTAATC
253901 TTTTCTTCTG CAATGTCTAA TCTACTGTTA ATCTCATTCA GTGTATGTTT
253951 ATAAATAGAC ATTATAAGCA GTTTGAGATT CATAGCAAAA TTGACTGGAA
254001 CATTCAAGTG ATTCTTCATC TTAGACATTA AGTTTTCATC TCTAGAAGTT
254051 TGGTTTGAGT CTTTTTGTTA CATCTTCTT GTCTCTGTTT AACATGTTCA
254101 ATATTTCTCT TATTTAACAA GTAGAGTACA GTTATACTAA TTATTTTGAT
254151 GTCTTTGACA TTGTGAGTTA AAACCTACCC TGTGTGGGTG TTGGATAATT
254201 CTGTATTCCA ATAAATAGCC GGGATCTTTG TTTTAGTTGC TTGGAAGCAG
254251 TTTGATACTT TTGGTTTTTA CTTTGTAGCT TTGTTATGTG GGACCAGGGC
254301 AGCATTTAGG CTACAGCTGG TTATTTCCCA TTAAGTGCAG AAGACCTTTC
254351 TGGTTCTCTT ATGCAATGGC TGATGAATGA CCAGGTTTAC CAGTTTGGCA
254401 AGTATGAAGG TCTGAAGAGG CACTATTCAT GGCCCAATGT GAGCCCAAG
254451 TACTATTCTC TCTCATCCTC TCGTGTCTCT CCCTCTCTCA GCTCAGTAAT
254501 CTCCTCACAT GCACGTGCTG GTCTACACTC AGCTGAATCA CACTGTATGT
254551 GTGGGTATAC ACAGGTTTAT TGATTTCTTT TGCTTCACAT TTTTTTAAAC
254601 AGCTTTTGTT TTAATACTTT TGTTAATTAT GTAACATGTT TCCATGGGTC
254651 CAAAGTCAGA TCTATTAAAA GCCATATTTA ATGAAGACTA GCTTCTATCC
254701 TTGATCCCTT GCCCTATTTT CTTCCCTTCCA TGTTTAAAAA TTTCAAGGCT
254751 CATCCTTTCA TTTAAAAATA TATTCAGATA AATGAATCTC TCTCCTGCTG
254801 CTTAAGAAAT TGGTAACATA TTATATACAT TTTGTCTCTT TTATTTAGTA
254851 ATATATGCTG GAGCACAGTA GTATATGGCA ATATTCCTCA CTTCTTTTTA
254901 CAGCTTCCAA GTTCTCCTCT GTGTAGATGT ACTATTGTTT ATTCAACCTG
254951 TAACCTAATG ACGGACATAC GAGTATTTGC AGTCTTTCGC TAGTACGAAT
255001 AGTGCCTGTA TTAATAGCCT TGCACATTCA GGGTTTTTTG TTTGTTTTAT
255051 TGCCCAATGTA TCTTTGAGAT AGATTTCTAG AAGTGAGATT GCTTAGTTAG
255101 AGAATAAATG CATACATAAT TTTGGTAGGT ATTTCCAAAT GCCACTTTGC

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255151 ATTCCCACCA GCAAAGTATG AGAGTGTGTG TTCCCCACAA AGTACGTTAT
255201 CAAACTTTTG GAGTTTATTC TGCCTGTCTG TCTGTCTGCC TATCTATCTA
255251 TCCATCCATC CATCTATTGT ATATCTACTT TTGTCTTTTA TAAATGTAGT
255301 ATTTTCATTGT GTGGTCTATT TTA CTGCTT TTGGTATATT TTTTGGAAAT
255351 TAGGAAGCTA TATTTTCATG TCTTACAGCA AACACACTTG AGATTAAAGT
255401 GCACAAAATG TCCCCACATC TAAATTGGA GTGGAAGGGA AGAAACCACT
255451 TTTAGCCTCA GGTTCAGCT GAGATATCCA ACACAGCTTT CCAGAAACCT
255501 TGCTTACTGG GAGTCAAATG GTGTTGCTTG CAAAGATTAA TAAAAGCGAT
255551 ACTTTTTTTT CTCATTTAGC TATTTAGCCA GAGATTTTG TTTAAATTAT
255601 CTTAATGAGG AGTAGGGGTT TGTGGTGTTT TAAATCTCTA ATATCTAGGA
255651 GGAATCACCT TTCCAGGGCT GCTGATTTTG GTGTCATCAG TTTTAGATTA
255701 TTAATGCCCTA GAGATCAGAC ATTAGTCTGG CATTATTAAT GCCATAGAGA
255751 TCAGTGTAGT GACATGCACA TCATGCCCAA GTGGACATTG CTTCTCCTAT
255801 ATGTGGACAT TGTGTTTATA GTATTTATAG AGGAAGATGA GGGGTAAGGT
255851 GATCTTCTTC ATAGAACTGT CTCATGCCCT GGTATATTGA ATGGCTACCA
255901 CAGTGCATGC CACTGCTGAT GGTCAAAACA GGTTCCTGTA TTTTTCATC
255951 TGTGTCATAG ATGCCTGTTC TCCTCCCCAG GTCAGAGCAC AGCCCTGGTA
256001 TAGTGCTGCC GTGAGGGCTG AAGTCAACTA TTTAGAGGCT GCAGAAGGCA
256051 CAGGGATTTT CTATAAATAA CAGTGAGGTC AGACCTCATA ACTGATTCAG
256101 TCTCAGATAG CCGGTTTACA AGTTCCTGAA ATTTCTCCTT CACTTTCAAT
256151 CACAGGAATA TCTTGACAGG AAGATCTAAA CAGAACATGA GAAGTCCATG
256201 ATCTTTATTG TCCTTCTTGT TAACCTGATA TATAGCTCAT GGTACAGTAG
256251 CAATCACTTG TAAAAATGAT GGTGAGACAT TAAGCACTTG CTAAAAATGT
256301 TCCTAAGATA GGGTAGTAAC ATGAAGTTTA TAATCGTACC AGCTCAGATT
256351 TTGAACCTGGA CCAAAGCCAT AGCAATGTTT ATATGGAGGG AAACFAACTT
256401 TCAATGCATG CCTCCTTTGT GCCAGGGAGT GTGCTAAGAC ACCTTCTGTT
256451 TCCTGAAGTT CTCACCATAT ACCTGTGAGG TCGGAGGAT TCTCCATTTT
256501 ATAGGTAAAG AGTTTGTATT TCAAGAGGTG AAGAAACCTT CCCATTGCCA
256551 TATAGCTAGT AAGTGGCAAG GCTACACTTC AAATAGAAGT GTAGTTAATT
256601 CTAAAACCAG AGCTGGAAAG TACTGCCAAG ATGAGATGGG AACAGTGGGA
256651 GCTAGTGTAG GCTAAAGTCT AGATCTCATC AGGAACTCTA AAGAAGCCTC
256701 TTAATTACCA CAGGCCTTTT ATGTACCTGG CATCATGCTC TGGAACCTAT
256751 TTGTTTTTCAT TTGGTAGCCA TAAGTACAAA CCAACTCACC TTAGAGATGC
256801 AGAAGCTGTG ATTCAAAGAG GTTAAGTTAA ACACCCAAGA CCAAAGCTGG
256851 CTTCTAGGGT TGGTCTGTCT GCTGTCTATAT TTTATGCCCT TTCACATGCT
256901 TTTCTGAATT GGCAGGTATT GGTATTTGTA TTTTGACAGC ATCTCATTCT
256951 CTGAGCTCAG GCTATTACTG TGTGTGTGTG TGTGTGTGTG TGTGTGTGTG
257001 TATCACTAGA ATGACTATT TTA CTATTTT AAGATTTCCA AGTGCTTTAT
257051 GAACAAAGCT CATTCTGTTT CACTGATTGA AGTAACCTT TAATGGAGAA
257101 ACAGATGCAG TGATGGTTCT TTTCTCATT CTTTTCCAAA TCTCATTGAA
257151 AAAGTGCTAG TTGTACCTCC AACATTCCTT TTTTAAAATA AAAGGTCAGT
257201 ATCAGGCAGT GTTTCTGAAG AAAGTCTGA TTGAAATCAG CATTTCAATT
257251 TCAAAAACAA AAAAGTTTGT ACGTAACAAA AGCTTGGTAA TCAGCAAATA
257301 AGGGTTCCTT ACCCAAAGAG TAGTGGTTCT AAATTTATAT GTCGGTTTAA
257351 AGAGATCCTT TAAAGAGCCT GTCAGACCTC TTA CTAGCT GTCTCAAGGC
257401 CTGGAAGCAA TTAATTGAAT TCTTCTTGAG AGTCTGTAG GTGTGAGGCA
257451 TTGTGCTTTG GGGCATAGAA CAAAAGACA CCTTACAACC TAGCTAGGGA
257501 AACCGGACAC CTGTAAGTGT GATTTACAAG ACTGAGGGCA AATGCCAGGA
257551 GCCACTGGAG TGGAGCCAGC ACTCTGGAAG TTCAGAGGAG GAGGCCCATC
257601 TCTTATAAAG GAGTGAGCAG ATTCATGCAC TTCTCCCTGA AATGGACCTG
257651 TTGTATTTGT TTCCCTGCTC CAGGAATGAC TTATCATCTT TCTCTGAAGC
257701 GGAGGTTTAC TAGCATAACT GTAGCCCAGA TGTCAGCCAG CTTGTCCCTG
257751 CCTCTCCAGA TCTAGGCAAC TTTGACTTAA GCCCTTAGGA CATGCCCTAT
257801 GGTAGCTCAA AGCCTTTTCT AAGACTTCTA CAAACTCTTG GGTGCTGTGA
257851 TGATCTCATC CTCTGGGCTT CTGTCTCTAT TGTCCCCATT CTGACCCATA
257901 TTGATGCAGA GTGAAAAATC TAGGCTTTTA ATTCATTTT CCAATACTC
257951 CCTGTGATGG TTAAGTGAGT GTCAACTTTA TTGGATTGAA GGATGCAAT
258001 CCAGTCAAGG GTGTGTCTGT GAGGGTGTTG CCAAAGGAGA TTAACATTTG
258051 AGTCAGTGGA CTGGGAGAAG CAGACCTACC CTCAATCTGG GTGGGCACTA
258101 TCTAATCAGC TGCCAGCATG GCTAGAATAA AAGCAGGCAG AAGAACGTGG
258151 AAGGACTAGA CTGGCTGAGT CTTCTGACCT TCATCTTTCT CCCATACTGG
258201 ATGCTTCCTG CCCATCAGAC TCCAAGTTCT TCAGCTCTTG GACTCTTGGA
258251 CTTACACAAG TGTTTGGCCA GGGGCTCTCA AGCCTTCGGC CACAGACTGA

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258301	AGGCTGCAC	GTTGCCCTCC	CTACTTTTGA	GATTTTGAGA	CTCGAAGCTG
258351	CTTCCTGGCT	CCAGATGGCC	TATTGTGGAA	CTTCACCTTG	TGACTGTGTA
258401	AGTCAATCCT	CCTTAATAAA	CTCCCTTTCA	TATATACATC	TATCCTATTA
258451	GTTCTGTCCC	TCTAGAGAAC	CCTGAAAAAT	GTACTCCTAT	TCATCCAAAT
258501	CTTCTGTGAG	TACACTTGAC	TTTTTTGAAA	ATTTGAAAGC	TAGCAATAAA
258551	AGCCTCATGT	CACAAGGACA	TAAAGCAACT	CAAACTAATC	ATTAGGCATC
258601	CCTGTTCTTT	AAAAATGCTC	TTTAGCAGGT	GGGCCCATTG	GAAAGGAGGC
258651	TCTGAGATGA	TTTTCATGTG	GAAAGGTTTC	TGGGGATGGC	CAGCTCTCTG
258701	GATCCATTTA	TATAGGGGCA	AGGAAGGAAA	CAGGAGTGGG	TAGAGAGAGA
258751	AGGTGGGCTG	TGGTACCATT	TCAGCAAGGC	CTGGTCAACA	GCACAGGGTG
258801	CAGTGAAGTT	GGGATGGCCT	TGCAGAGTTC	ATTAGGGGGG	CTGAGGCTGA
258851	GAGCCCTGCG	TCTACCAGTC	ACTCACTGCA	GGAATGCAGG	AAGGGCATGA
258901	GCCCTGATGA	GGCAGTTCTT	GAGCTGAGCT	CAGCTGAGGG	CAATTCTTCA
258951	AGAGGGCTGA	TGGTGAAAT	CTGTCTCCCA	AGGGCACTCC	AAGTAGGTGG
259001	AGAAATAAAC	TTCTCTATTT	TGAAAAACAG	TCCTCATCCC	CAGCTCCATT
259051	TCAGTTTTCT	GGCATCTCTC	ACTTTCCCAC	GTTTCTCAAG	AGCAAAAACAA
259101	ACTTTTTCTA	TGCGGGCACC	TGAGTCATTC	TTCTGCTTCT	TTACTAATAA
259151	CTATGTCCTC	AGGCTTTTCAT	CTTTCTTCAC	AAAAGCTCATC	TTCTGCCTATT
259201	GTTTTCTAAA	TAAATAATTT	CTGTGTGTGC	ACGCATGTCT	GTGCCAGCTG
259251	ATGCTTAACA	CATTTGTACC	CTAATTCCAT	TTGTCTCCATT	TCAGTAATGA
259301	TGGGAAGCAT	CAGAGAGATA	AATCGCTATA	ATGAGAACAA	TGTGGATTTT
259351	AGGACCTGAA	CAATCTGGGT	TTGCAACTTG	GCTACTTTTA	CTCTGTGGTC
259401	TTAGCAAGT	CCCTTACTTT	CTCAGAGCCT	CAGTTTCTTC	ACCTGTACAA
259451	TGGAGGAATA	ATTA AAAATA	GCACTATATT	GTGTATTAAG	TGGTCACCCA
259501	ATAAATACCA	TCCCTTCTAC	CCCTCTTTCT	TGGCCACTTC	AATTGCCATT
259551	CTGCAGGCCC	TGACTTTTATG	AGTTAGTGTC	TCATTGACTA	TGAAAAATTT
259601	TGTTCTGTTA	GTTTTTTTCA	TACACAAATT	TGAAATCCTG	CTTCCAAGCA
259651	AAACAACCTA	AAGCAGACCC	ATTAGCTCTT	ATCAACTGCA	AAACAGATGG
259701	CCAGGGTTGG	GGGTGAGGGG	GCATGTGGGA	GCAGAGTTCA	AGGACTTCTT
259751	GGGCAGTATT	TATGTTTATA	GTGCCAAGGC	TTCTTCAGTG	TTCTTAGTAG
259801	CTCCTGTTTA	CTCTTTCTTG	TTTATGTTTC	TTTTTTCTTC	TTAGAGCTGT
259851	AAGTAAACTA	TGTTACATGT	ATTTGATTTT	CATTATGACC	ATGCCTGAAT
259901	TGTAGTAAAG	TGTACTTTTT	CCAGCTGAGG	GCTAGATATT	TTTAAACAAT
259951	TAAGCATGTT	TTATGATAAA	ATTAATAAAA	TGGATACAGC	TGTTCTCTATA
260001	GTATTTTGAA	ATATCTATAT	TATATTATTC	ATTGTTGAAA	ACCTTAACAA
260051	CCACCAGGTA	CTACAGGCTA	AGCAGGAAGT	TTTGTTTTTA	TTTCTCTATC
260101	ATTGAGTTTT	GCCTAATAGT	TTTCAAATTG	CCAAATTAGA	AAAAGGAAGC
260151	ATGCAACATG	AACCTTTCAA	TTCTCAGGAT	AAACTGCCAT	ATCTGGACTT
260201	CCAAATGCTG	GGATCTACGA	AAGGAGGCAG	GTTTACTCTG	ACAGTATGGT
260251	ATGAAGATAT	TGACATAAAA	AATTTACAAA	GAGATTATTT	TGGATTCTTG
260301	ATAAGGTGGG	GGTAGAATCA	AGGAGTTTCA	CCTGTCCCTT	ATTAAGACCC
260351	TTGGGGTGTG	AGGGGCACAT	GCAGGTAAGT	CACCCTTG TG	CAACATGAAT
260401	GCACAAACAG	AGCGGCCAGA	AGCACTCTGG	GTAGAGTCAG	GTGCAGAATA
260451	ATGGGCAAAA	CCTTAGAAAA	ACTGGAAGAA	TATTAGAGCC	CTAGTATTGC
260501	CCACTCCATA	TGAAATAGCA	GTTTTTTTCT	GTCCATCTGT	GCCCATGGAA
260551	CCTGGACTGC	AGGGAAGGTT	AATCTCTATG	GACGAGGCAT	GCTCTTTGGT
260601	GCAGCCAAGG	ATTGTTTCA	AGACACAGAG	ATCCCTGCCT	CCAGAACAAG
260651	AGGTAAGGGT	GTATCATGGG	AATGGGACCC	ATGGCCCACT	TTATCTGTTT
260701	CAAGGATGGT	CCAAAGATGT	TTCTTTGTTT	GTTTGTGTTG	TTTCAGACAA
260751	GGTCTCACTC	TGTCATCCGG	GCTGGGGTGC	AGTGGTGTTG	TCTCAGCTCA
260801	CTGCAACCTC	CGCCTCCTGG	GTTCAAAGCA	TCTCTCCGAC	TCAGCCTCCT
260851	GAGTAGCTGG	GATTACAGGC	ATGCGCCACC	ACGCTGCGCT	AATTTTTTACA
260901	TTTTTAGTAG	AGATGGGGTT	TCGCCATGTT	GGCCAGGCTG	GTCTCGAACT
260951	CCTGACCTCA	GGTGATCCAC	CTGCCTCGGC	CTCCCAAAGT	GGTGGGATTA
261001	CAGGAGTGAG	CCACTGCGCG	CTGCCAAAGA	TCTTTGTTTC	AAGCCTACTT
261051	GTATCTAAGA	TTTTTTAAGC	CCCGGGGATA	TCTGAATTAT	AAGAGTATCT
261101	CAGAAATGCT	ATCTTCCCTC	TATCAACATG	GGAAGAGCTG	TGGATTTGAC
261151	CTACTTGCCA	CAAGTCCTTC	AACCTCCAG	ATGCCAAGCT	GAGCCAGCCC
261201	ACCTTGGTCT	AACCTCCAGAG	CATTCTGATT	TGTGCTTCCT	CGTGGCATCT
261251	CAGCCCTTGG	AGAACGCTAT	TATACCAGTA	ATATTATGTA	AGGAAGGCTG
261301	AGATTTTTGGT	TTGCCCTTAAC	ATTTCTCCACT	TCATCCCAGG	GGTATCCCTT
261351	TCTCTGGACA	TGATATAAGT	TTACATGCAT	TCCATGTTCC	TGCCATAAGAA
261401	ACTATCATGA	GTTCTTTGCT	GTCCCAATATT	CATAAAAAAC	CTGGTGGCAAT

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261451 AAATTCATAT TCATAAAGGT TTGCTGGAAA GATGTGACCA CCACCAATTT
261501 CTCCCCATCT TCTAAATCTT ACTACTGAAT CCACCCATTT CATGACCATG
261551 ACATTTAAGG GGAGAGAGGT CTCCTCTGCC CACTTGCTCT CACTCCCAGT
261601 TGTTTGTCCCT GAGTGTGTTT TGATTTTCATG CTGTTGATTT CAATTAAGGA
261651 TATGACAAGA AATATTGTCA CCTTCTGTAT CATGCCATGT TTTCAGGTCT
261701 TCCTCCTCCA CATTGCAATG TTCTCTTTCT CTGCTGCCTT AGTATCTGGG
261751 AAGCTGTTTT TCCTGAGTAG CAGGTTTGTT TTTAATCCTA GGGTTTGAGT
261801 TGGTGAGCAT ACTGATCATC TTTTCTGCTT TGGCCACTAG GAATCATAGA
261851 ATCAAATTTA CCTCTGTCTT CGAAGATTAT ATGGTATGCA TTTCTTTCTT
261901 TCTTTTTTTT TTTTTTTTTT GAGACGGAGT TTCACTCTTG TTGCCCAGGC
261951 TGGAGTGCAA TGGGGTGATC TAGGCTCACC ACAGCCTCCG CCTCCCAGGT
262001 TCAAGCGATT CTCCTGCCTC AGCCTCCTGA GTACCTAGGA TTATAGGCAT
262051 GCACCACCGT GCCTGGCTAA TTTTGTATTT TTAGTAGAGA TGGGGTTTCT
262101 CCATGTAGGT CTGACTTGTC TCGAACTCCC GACCTCAGGT GATCCACCCG
262151 CCTTGGCCTC CCAAAGTGCT GGGATTACAG GCATGAGCCA CCGCGCCCCG
262201 CCTATATGGT ATGCATTTCT GTGTTAATCT TACTCTTAGA TTATGACTTT
262251 CCTGACTTTA TTTTCTCTCT ACCCTGATTT CAACTAATTA GTTTAAATGTT
262301 TTGTATAGTA TAATATATGT TCTTTTAGGC TTCCTCAAAT GCTTTGTGAA
262351 ATGCAAGGGT AGATAGTAAT AAATAAATTG CAGAACTATA AAACGGAGAT
262401 TAAAAACATT CCTTTCCCCT CCCAGATTAA AGCTACTCAT CAGAACTCAT
262451 CAGAAAAATC AGGTGTATTA GTCTGCTCGG GTTGCCATAA CAAAGTACCA
262501 TAACCAAGTT GCTTAAACAA CAGAAATATA TTTTCTGACA GTTTTGAAGG
262551 CTGGAAGTCC AAGATCAAGG TGCCAGCAGG TTTGGTTTCT CCTCAGGGCT
262601 CTCTCCTTAG CTTACAGATG GCTGTCTTCT TTCAGTGTTC TCATATGTCC
262651 TTTTTTCTGT GTGGACCCAC ATCCCTGGTG TCTCTGTGAG TTCAAATTTT
262701 TTCTTATAAG GACACCAGTC AGATTAGATT AGGGCCCACA ATAACAGCCT
262751 TGTTTTAACT TAATCACCTC TTTCAAGCCC TGGTCTACAA ATATACAAAT
262801 ATTCAAGAGT AATGGGAGTT AGGACTTCAA CATATGAATT TGGGGGATAC
262851 ACAGTTTCAGT CTATAACATA AGGTGTTTTT ATTATCTGTG GTGGAAGGAC
262901 TTTCTTACAG GCCCTTTTCT CCCTTGGTCA TGAGGGATAG GTATGAGTGT
262951 TTGGAAGGCA CTTGCACAGA CCATGGCAGT AGCATCAAAT GCCTTCCAAA
263001 GGACCTCCAC CTGTAGAACA GAGGTGACTG ACGGGATTTG GTTTGTAACC
263051 TTTTTTGCTT AGTGTACCTT GTGACAGATA AAGAGGACAA GCCTTATGCT
263101 CTCCCATTAG AAATTTTTGT CCACTCCTGT GCCTAGGTCT CAGGTTCTAG
263151 GTGGTGTACA GTTCCAGACC TGCCAGCAGC ATCACAGCTT GTATCTCAGC
263201 AACAACCTGGT CCAGGGCACA CCTGACTTTC ACACAGATTA TTCTCAGGAT
263251 GGTCTGTTAT CACCCAGAGG TTCTTGATAA GACAAACCCA GTGCTACTGA
263301 CTTCACTATC ATGGTGCAAC ACAGCTTGGA GAAATGGGAA AAAGCAGGCC
263351 CATCTTTGCC TTACCTGTCA TCCAAAGATG GAGACAGAAC TCTGATTTCT
263401 TAACATTATC TCTGCAAGTC AAAGTGTCCA AATTCTTGAC ACCAGCAGTT
263451 AAAACACAGG GCCTTTGATT GAAGCAGACA ACTGAGTGAG TTTTCCAGGA
263501 GGTCTGAAGA AAGCCAACTC ATTATCCAGG TCTCTGAACA GACAAATAAT
263551 TATGAGACAC TGAAATGTAT TTTCCCATGC AAGTCAGAAA TGGCTCAGCC
263601 TCTGTTTTGC ACTGTTAATT ACACATTGGG GCAGAGCCCT GTTACAGTTC
263651 TTGGTCATAG ACTTACCCTT GATGCCTGGC AGCATGGGTA GGAAGCTGAG
263701 CTAATGTGTG GTCCTGACTT ACATCAAAAT GTGTGCACCC TCACCAAGTGT
263751 CAGGTCAAAA ATGAGAGGCA AGAGGAATTT CAGACATAGC AGGAGTGCCT
263801 CTGCTGTTGT ATCAGCTCGT AAGAGAAAAG AAGGCAGAAT TATTTTGCAC
263851 TGTATTTTGT CAGCAGCAAT GTTCTGATCT CAAGAAATTG TGATGTTCTC
263901 CATGGTGAAA ATCAGTGAAC TAGCTGAGAC TTGAGAGAAG CAGGGAGAAT
263951 GCAGCTTACA TAAGCCCAGG CTGCTACCCA GGTGAGGGGT TCTGTCTCCT
264001 TTGTCTCTTG CCAAAGTCAT TGTTGACTAG ACAATTGTCA ATTAGTGTTC
264051 TAGGCCAGG GATGGCCCTT GCTGCTGTCA TGCTGCCAGA CTCTCTGTGA
264101 CCCCACCCAG CACTTGATGC AGGAGGCTTG AGACAGCTTT CAACCATGCA
264151 CCTAGATTTT TACTAGTATG CCAAACCTCTG TAAGATCAGA TAACTGCCTA
264201 CTGGAAAAAT CAAGATCTTC CCTTTCTTTT TTTAAAAGGT GTCTTTAGTT
264251 TTAGGTTTAC AGCAAAATTG AGAGGAAGAT ACAGAGATTT CCCATATATC
264301 TCCTGCCCCC ACACATGCAT AACCTCCCCA TTATCAATGT CCTGCACCAA
264351 GATGGTACAT TTGTTGCAAC TGATGAACCT GCATTCATAC AGCATAATCA
264401 CCCAAAGTCT ACAGTTAACT TTAAGGCTCA CTGTTGGTGT TGTACATTCT
264451 ATGGGTTTCA ACCAATGTAT AATGTCATGT ATCCATCACT ATAGTATCAT
264501 ACAGAATAGT TTCACTACCC TAAAAATACT CTGTACTCTG CTTAGTCATC
264551 CCTCCCAACC CCTGGCAACC ACTGATCTTT TTAAGTCTC CACAGTTTTG

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264601 CCTTTTCTGG AATGTCATAT AGTTGTAATG ATATAGTATG TGCCCCTTTT
264651 CAGTTTGGCT TCTTTCACCT AGTAATATTT AAGATTCCTC CATGTCTTTT
264701 CATGGCTTAA TAGGTTATTT CTTTTTAGCA TTGTATAATA TCCCATTGTC
264751 TGGATATACC ACAGTTTATC CATTCACTG CTGAAGGACA TCTTGGTTGC
264801 TTCCAAGTTT TGACAACTAT AAATAAAGCT GCTATAAACA TCCATGTTCA
264851 ATTCTCTCTG TGGACATATT TTCAACTCCT CTAGGTAAAT ACCAAGGAGT
264901 GTGATTACAG AATCATATGG TAAAAATATG TGCAGTTTGT TAAAAACAAA
264951 AAACAAAATA AAACAAGAAA TCCTCCAAAC TGTCTTCCAA AATGGCTGAA
265001 CCATTTTGCA TTCCCTCCAG CAATGAGTGA GAGTTCCTGT TGCTCCTCAT
265051 CCTTGTCAGC ATTTGGTGT TGTGAGTGT CAGATTTTAG TCATTCTAAT
265101 AAGTATGTAG TAGTATCTCA TTGTCTTAAT TTGCATTTCC CTGATGACAT
265151 ATGATATGGA ACATCTTTTC ATATGCTTAC TTGCCATCTA TATATTTTCT
265201 TTGGTGAGGT ACCTGTTAAG GCCCATTTTT TAGTTAGGTT GTTTGTTATC
265251 TTATTGTTGA GTTTTAAGAG TTCTTTGTAT ATTTTGCATA ATAGCCCCTT
265301 ATCAGATAAG TGTTTTGCAA ATATCTTCTC CCAGTATGTG GCTTGTCTTC
265351 TCATTCTCTT GACGTTGTCT TTCACAGAGC GGTCCAGATT ATCATTTCTT
265401 GCTCTCAAAA ATCATGCCTT TGTTGTATCT AAAAAGTCAT TGCCATACTC
265451 AAGGTAATCT AGGTTTTCTT TTATGTTATC TTCTAGGAGT TTTATAGTCT
265501 TGCACCTTAC ATTTAGGTCT ATGATCCATT TTGAGATAAT TCTTGTGAAG
265551 GGTGTAAGGT CTGTGCCGAG ATTCAATTAT TTGCATATGG ATGTACGGTT
265601 GTTCCAGCAC CATTTATTGA AAAGACTGTC TTTGTTTCAC TGCATTGCCT
265651 TTTGTTATCT GTCAAAGATC AATTGACTAC ATTTATGTGG GTCTATTTCT
265701 GGACTTTCTG TTCTGTTTCA TTGATCTATT TGTCTATTCT TTTGCCAATA
265751 CTACATTGTC TTGATCACTG TACCTTTATG GTAACCTTG ATGTCAGATA
265801 TTGTTAGTTT TCAAACCTTG TTTTCAATTG TGTTGACTAT TCTAAACCTT
265851 TTTTACCTCT CCATATAAAC TTTGGAATCT GTTTGTCAAC ATCCACAAAG
265901 TAACTTGCTG GGATTTTTAT TGGGATTGCT TTGCATCTAT TGATGAAGTT
265951 GGGAGGAAC TAACTCTTTT TTTTTTTTTT TTTAGAGATA GAGTCTCACT
266001 CTATAGCCCA GGCTGGAGTG CAGTGGTGTG ATGATAGCTC ACTGCAGCCT
266051 CAACTCCTG GGCTCAGGTG ATCCTTCTGC CTCAGGCTCC CAAGTAGCTG
266101 AGACTACAGA GGTGTGCCAC TATGTCCAGC TAATAGAAGT AACATCTTGC
266151 CAATAATAAG TCTTGTATATC CATTAGTATA AAATCTCTCT CCATTTTTTT
266201 AGTTCTTCTT TGATTTATTT CATCAGAGAT TCATAATTTT CCTCATATAG
266251 ATCTTGATTA TATTATGTTA GATTTATACC TGTTTCATTT TGGGGGGGTG
266301 CTGATGTAAA CGGTATTATG CTTTTAATTT CAAATCCAC TTATTCATTG
266351 CTGATATATA GAAAAGTGAT TGACCTTTGT ATATTAACCT TGTATCCTGC
266401 AACCTAGCTA GAATCACTTA TTAGTTCCAG CAGTCTTTT ATCGATTTT
266451 TTAAATTTTC TACATAGACA ATCGTGTGAT CACTGAAGGA GAACATTATT
266501 TCTTCTTTCC CAATCTTTAT ATATTTATTT CCTTTTTTAT CTTGTTGCAT
266551 TAGCTAGAAC TTCCAGTACA ATGTTGAAAA AGTGTGGTGA GAGAGAACAT
266601 TTTTGCCTTG TAACTGACAT TAGTTGAAAA AGCTTTGAGT TTCTCACCTT
266651 TAAGTATGAT GTTAACTATA AGTTTTTTGT AGATATCCTT TATCAGGTTG
266701 AGGAATTTT CTTGATTTCC TAGTTTACTG AGAATTTTAT TCATGAATGG
266751 GTGTTGTATT TTGTCAAAG CTTTTGTTG TGTCTATTTA TATGATCATG
266801 TGATATTTT ATTTTATGTC TATTGATGTA ATGAATTACA TTAATTGATT
266851 TTTGAACACT GAACTAGCCT CACTTAGAGG GGATAAATCC CACTTGGTCA
266901 TGTTGTATAA TTCTTTTAT ATATTGTTGG ATTTTATTTG CAAATATTTT
266951 GTTAAACTT TTTATGTGCA TGTTTATGAA AAATACTGGT CTGTAGTTTA
267001 ATTTTCTTAT AACATCTTTG GTTTTGGTTT TTATTTTGGT TTAGGTTGAT
267051 GGTGGTCTCA TAGAATGAGT TAGGAAATAT TCCTTCTGCT TCTATCCTCT
267101 GAAAGAGATT GTAGGGAATT GTTATAATTT CTTCCTTAAG TGTTTGGTAG
267151 AAGCAACAGT GAACCATCT GGGCCTGGTG CTTTCTGATG TGGAAGGTTA
267201 TTAATTATG ATTCAATTTA TTGAATAAAT AGTCTATTCT TGTATGAGTT
267251 TTAGCAACTT GTGTCTTCA AGGAATTGGT GCATTTTCATC TAAGTTATCA
267301 AATTTGTGGA CATAGAGTCC CTCATAGTAT TGTTTTATGA TCTCGTAAAT
267351 GTTTCTTACA TCTATAGTGA TGTCCTCTCT TTCATTTCTG ATACTAGCAA
267401 TTTGTGTTCT CTCTTTTTTT CTTAATTAGC CTGTCTAGTG GCTTAGCAAT
267451 TTTACTGATC TTTTCAAAGA ACCAGCTTTT GGTCTTCTTG ATTTTCTGTA
267501 TTGATTTCCC ATTTTAAATT CCATTGATTT CCGCTCTAAT TCTTACTTCT
267551 TTCCTTCTGC TTAATTTGAT TAAATTTGCT TTTTCTTTTT CTAAGGTAGA
267601 AACTTAGATT ATGGATTTTA TATCTTTCTT CCTTTCTAAT ATATGTATTC
267651 ACTGCTATAA ATTTTTCCTT AAGCATGCT TTCACTATAT CCACAAATTT
267701 TGATAAGTTG TGTTTTTCAT TCTATTTAGT TCAAAATACG TTAAATTTTA

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267751 TCTTGAGATT TCTTCTTTAA CCCATGTGTT ATTTAGAAGT GTGTTGTTTA
267801 ATCTCCATGT GTTTCAGGAT TTTCTAGTTA TTCTGTTATT GATTTCTAAT
267851 TTAGTTCAC TGTGGTCTGA GTGCAGACAT TGTATGATTT CTGTTTTTAA
267901 AAAAAGTCTA TGGCTTTTAT GGCCCTAAAT ATGGTCTATC TCGGTGAATA
267951 TTACATGTGA GCTTGAGAAG ATTTGTATTC TGCTGCTGTT GAATGAAGTA
268001 GTCTGTAGAT GTCAGTTTTA TCCTTTTGAT CAATGGTATT GTCAAGTTCA
268051 ACTATGTCCT TACTGATTTT CTATCTGCTG TATCTGTCTA TTTCTGAAAG
268101 AAGGATTTTG GAAGTCTCCA ATGATGATAG TGGATTTATC TATTTTTCCT
268151 TTCAGTGCTG TCAGTTTTTG CTTCATGTAT TTTGACACTC TGTTGTTAGA
268201 CACATACACA TTAAAGAACA TGTGTGTTAA GGATTGTTTT GACTTCTTAG
268251 AGAATTGACC CCTTTATTAC TATGTAATGC CTTTATTTAT CCCTCATAGC
268301 TTCCCTTGCT TTGAAATCTG CTCTGTCTGA AATTATTAAG GCTCCCTTG
268351 ATTTCTTTTA ATGAGTTTTT ACATGGTATC TTGTTCTCCA ACCAATTGCT
268401 TTTAATTGTG TCTTTATATT TAAAGTGAGT TTCTCGTAAT TAACATGTAG
268451 TTGGATCTTG TTTTTTGTTT TTTGATCCAC CCTGACAAAT TCTGTCTTTT
268501 AATTGGTACA TTTAGATCAT TGATGTTCAA AGTGATTATT GATGTAGTTG
268551 GATTAATATC TACCCTATTT CTACTGTTT TCTATTTGTT GTCTCTGTTT
268601 TTTGTTCCAT TTCTATCTTC TAGTCCTTTC TGCCTTTTTT TTAAACAGGG
268651 AAAATAAAGA TTTTAAAGGC TGATTTGAAT AGTCAGTATA GGTTGAGTAT
268701 CCCTTATCTG AAATGCTTAG GACCAGAAGT TGTTCAGAT TTGGGATTTT
268751 TTTTTTCTG GATTTGGGAA TATTTGGTTC AGCATGCCA ATCTGAAAC
268801 CTGAAATTTG AAATGCTCCA ATGAGTATTT CTTTTGAACT TCATGGTGGT
268851 GCTCAGAAAG TGTGAGATT TTCAGCATT TAAATTTTGG ATTTTGGAT
268901 TAGGGATACT CAACGTGTAG TACGTTATCA TGCGAATCAT GAAGGAAAAG
268951 TTAGAAATGA GTGCACATCA TATTGTGAGG CTGTAATTTT GTTATGTGTA
269001 ATTTTTTTGC ATTAACAAT TTTTAAAGCC AATTTGGTTC TAAAAACAAT
269051 AGATTGCCTT TTACATAAAG TTAATATATC TGCCCCATTT CATTTAACTG
269101 TTGCAAAATA CTTTATATTA TGGATACACC ATCTATTTTT AACTAGTATG
269151 CTATTGATTT CTTTTTATGG TTTTAAATGA GCAGATTCCC TTATCTCTCC
269201 TTTCTAACAT ATCAGTTATA CTTTTTTTAG TGGTTGCCCT AGAATTGGCT
269251 GTATACATTT ACAACTAATC CAAGTTTACT TTCCTTTTTA AATTAAATTT
269301 AAATTTTTTT GAGAAAGGGT CTCATCTGTT GCTGAGCTGG AGTGGAGTGG
269351 TACAATTTCA TTTCACTGCA GCCCTGACCT CCTGGGCTCA AGTGAGCCTC
269401 CTAACTCAGC CACCCTGAGT AGCTGGGACC AAAGGTGAGT GCCACCACAT
269451 CTGGCTAATT TTTGTATTTT TTGTAGAGAT AGGGTTTCAC CATGATGTCC
269501 AACCTGGTCT TGAACCTG AGCTCAAGCC ATTCACCTGC GTTGGCCTCC
269551 CAAATTGCTG GGATTACAGG CATGAGCCAC CACACCTGGC CCAAGTCTGC
269601 TTTCAAACAA CATTATACCA CTTCATAGGT AATGTGGGTA CCTTATAATA
269651 ACAAATAAAT CCTAATTCTC TCCTCCATCC CTTCTATAAT TACCATCACT
269701 CCATTTATAT ATAAACATAC ATAAGAAAAT ATATGTACAC ACACACATGC
269751 ACACATAAGC ATACATCATT GAGTACATTT TTAATATTAT TATTAGAACA
269801 GGTGTCTGTG TAGATTAAGA AAAATAAAAG TCTGTAAAAC CTACCTTCAT
269851 CGATTCTTTC TTCAGTGATC TTTCTTTATG TAGACCTGAG TTTCTGACCT
269901 ATGTTATTTT CCTTCATTTA ACATTTCTTG CAAGGCAGGT CTCCTAGCAA
269951 CAAATTCCTT CAATTTTGTG TTGTCTGAGA AAGTCTTTAT TTCTCCTTTA
270001 CTTTTGAAGG ATAATTTCTC AAGGAACAAA ATTCTAGGTT GGTGGGATTT
270051 TCTTTTATAA CTGTATGTAT TTCACACGAC TTTCAATTTA CTTGCATGAT
270101 TTATTTTATT TTATTTTATT ATTATTATAC TTTTAAAGTT TAGGGTACAT
270151 GTGCACAACG TGCAGGTTAG TTACATATGT GTACATGTGC CATGCTGGTG
270201 TGCTGCACCC ATTAACCTCGT CATTTAGCAT TAGGTATAGC TCCTAATGCT
270251 ATCCCTCCCC ACTCCCCCA CCCCACAACA GTCCCCAGAG TGTGATGTTT
270301 CACTTCCTGT GTCCATGGGT TCTCATTGTT CAATTCCTAC CTATGAGTGA
270351 GAATATGCCG TGTTTGGTTT TTTGTTCTTG CGATAGTTTA CTGAGAATGA
270401 TGATTTCCAG TTTTATCCAT GTCCCTACAA AGGAAATGAA CTCATCATTT
270451 TTTATGGCTG CATAGTATTC CATGGTGTAT ATGTGCCACA TTTTCTTAAT
270501 CCAGTCTATC ATTTGTTGAC ATTTGGGTTG TTTCCAAGTC TTTGCTATTG
270551 TGAATAGTGC CACAATAAAC ATACGTATAC ATGTGTCTTT ATAGCAGCAT
270601 GATTTATAGT CCTTTGGGTA TATACCCAGT AATGGGATGG CTGGGTCAAA
270651 TGGTATTTCT AGTTCTAGAT CCCTGAGGAA TCGCCACACT GACTTCACA
270701 ATGGTTGAAC TAGTTTACAG TCCCACCAAC AGTGTAAAAG TGTTCCTATT
270751 TCTCCAAATC TCTCCAGCA TCTGTTGTTT CCTGACTTTT TAATGATTGC
270801 CATTCTAACT GGTGTGAGAT GGTATCTCAT TGTGTTTGTG ATTTGCATTT
270851 CTCTGATGGC CAGTGATGAT GAGCATTTT TCAATGTGTTT TTTGGCTGCA

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270901 TAAATGTCTT CTTTGTAGAA GTGTCTGTTC ATGTCCTTCA CCCACTTTTT
270951 GATGGGGTTG TTTGATTTTT TTCTTGTAAG TTTGTTTGAG TTCATTGTAG
271001 ATTCTGGATA TTAGCCCTTT GTCAGATGAG TAGGTTGCGA AAATTTTCTC
271051 CTATTTTGTA GGTTCCTGT TCACTCTGAT GGTAGTTTCT TTTGCTGTGC
271101 AGAAGCTCTT TAGTTTAATG AGATCCCATT TGTCAAATTT GGCTTTTGT
271151 GCCATTGCTT TTGGTGTTTT AGACATGAAG TCCTTGCCCA TGCCTATGTC
271201 CTGAATGGTA ATGCCTAGGT TTTCTTCTAA GGTTTTTATG GTTTCAGGTC
271251 TAATGTTTAA GTCTTTAATC CATCTTGAAT TAATTTTTGT GTAAGGTGTA
271301 AGGAAGGGAT CCAGTTTCGG CTTTCTACAT ATGGCTAGCC AGTTTTCCCA
271351 GCACCATTTA TTAAATAGGG AATCCTTTCC CCATTGCTTG TTTTCTCGG
271401 GTTTGTCAAA GATCAGATAG TTGTAGATAT GCGGTGTTAT TTCTGAGGGC
271451 TCTGTTCTGT TCCATTGATC TATATCTCTG TTTTGGTACC AGTACCATGC
271501 TGTCTTGGTT ACTGTAGCCT TGTAGTATAG TTTGAAGTCA GGTAGCCTGA
271551 TGCCTCCAGC TTTGTTCTTT TGGCTTAGGA TTGACTGGT GATGCGGGCT
271601 CTTTTTTGGT TCCATATGAA CTTTAAAGTA GTTTTTTTCC AATTCTGTGA
271651 AGAAAGTCAT TGGTAGCTTG ATGGGGATGG CATTGAATCT ATAAATTACC
271701 TTGGGCAGTA TGGCCATTTT CACGATATTG ATTCTTCCTA CCCATGAGCA
271751 TGGAATGTTT TCCATTTCT TGTTATTCTC TTTTATTTCA TTGAGCAGTG
271801 GTTTGTAGTT CTCCTTGAAG AGGTCCTTCA CGTCCCTTGT AAGTTGGATT
271851 CCTAGGTATT TTATTCTCTT TGAAGCAATT GTGAATGGGA ATTCACCAT
271901 GATTTGGCTC TCTGTGAGCC CAAAATCTCC TTAAGCTGAT AAGCAACTTC
271951 AGCAAAGTCT CAGGATACAA AATCAATGTA CAAAATCAC AAGCATTCTT
272001 ATACTTGCAT GATTTCTGAG AAGTCTAATG TAATTTCTAT CTTTGTTCTC
272051 ATATAGGCAA AATGGTTTTT CCCACTCTGG CTCTTTTCTG GATTTTTTCT
272101 TTACCTTTGA TTTTCTGTAG TTTGAAAATA ATATGCCTAG GTGGTGGTGG
272151 TGGTGGTGGT GGTGGTAATG GTGGTGGTGT TTCTTTTTGG TGTTTATCCT
272201 ACTTAGTGAT CTCTAAGCTT CCTGGATCCT ATGGGTGTGC GTCTGACATC
272251 AATTTGAGGA AATTCTCAGG CATTATTGTT TTAAATATTT CTTCTTTTCT
272301 CTCTGTTCTC CTTCTAGTAT TTTTCATGCA TCTATGTATG TATGTAGTAG
272351 TGTCTAATC CTCTAGTATT CTCTTCTGTT TTTTTTTTTT TTTTCTGCTG
272401 TGTTCTCTTT GTTTTTCTAG TTTTGGAGGT TTCTATTAAAG ACATCCTCAA
272451 GCTCAGAGAT TTTTCTCTCA GCCATTTTGC ATCTACTAAT AAGCCCATCA
272501 AAGGCATTCT TTGTTTCTGT TACAGTATTT TTTTACACTT TTATTTTAGG
272551 CTTAGGACTA CATGTGCAGG TTTGTTATAC AGATAAATTG TGTGTAGCAA
272601 GGGTGTGATG TAAGATTATT TCATCACCCA GGTGATAAGC ATTTAATTTA
272651 TAGGTGGCTT TTGTTTTTCT TTTTGTTTGA AACAGAGCCT CACTCTATCA
272701 CCCAGGCTGA AGTACAGTGG TGCCATCTCA GCTCACTGCA ACCTCCTGGT
272751 TTCAAGTGAT TCTCATGCCT TAGCCTCCTG AGTAGCTGGG ATTACAGGTG
272801 TGTGCCATCA CAGTAACATT TTTAGTAAAG ACAGGGTTTT ACCATGATGT
272851 CCAGGCTAGT CTCGAACCTC TGGCCTCAAG TGATCCACCT GCCTCAGCCT
272901 CCCAAAAGTG CTGCAATTAC AGGCATCAGC CACCATGCCT GGCCCTTGAT
272951 AGGTAGTTTT TGATCCTTAC CCTCCTCCCA CCATCTACCT CTCAGCAGGC
273001 CTCAGTGTCT GTTGTTCCTT TCTTTGTGTT CATGTATACT CAATGTTTAG
273051 CTTCCACTTA TAAGTGAGAA CATAAGCAT TTGGTTTTCT ATTCCTGTGT
273101 TAGCTTGCTT AGGATAATGG CCTCCAGCTC CATCCATGTT ACTGCAAAGG
273151 ATATGATCTC ATTCTTTTTA TGAAGTGTGA GTATTCCATG GTGTATATGT
273201 ACTACATTTT CTTTATCTAG TCTACCACTG ATGAACATTT AGGTGTGATC
273251 TATGTCTTTG CTTTTGTGAA TAGTGCTGCA ATGAACACAT GTGTGCACT
273301 TGTCTTTATC TGAGAATGAT TTCTATTCTT TTGGATACAT ACCCAATAAT
273351 GGAATTGCTA GGATGATTGG TAGTTCTATT TTTAAGTTAT TTGAGAAAT
273401 ATCAAGTTGG TTTCCAAAAT AGCTGAACTA ATTTACATTC CCACTGGCAG
273451 TGTATAAGCA TTCCCTTTTC TCTGCATCAT CTTCAGCATC TGTATTTTTT
273501 TGACTTTTTA ATAATAGCCA TTGTGACTGG TGGGAAATGG TATCTCATTG
273551 TGGTTTTGAT ATGCATTCTT CTGAAGATTA GTGATATTGA GCATATTTCA
273601 TATGTTTGTG GGCCACATGT GTATGCTTTC TTTAAGAAG TGTCTGTTCA
273651 TATCCTTTGT ACATTTTTTA ATGGGGTTGT TGGTTTTTGT CTTGCTGATT
273701 TGTTTAAGTT CCTTATAGAT TGTGAATATT AGACCTTGTC AGATGTATAG
273751 TTTGTAAATA TTTTCTCCCA TTCTGTAGGC TGTTTGTTTA CTCTGTTGAC
273801 ATTTTCTTTT GATGTGAGA AGCTCTTTAA TTTAATTAAG TTTTCAATTTG
273851 CAATTTTTGT TTTTATTGCA ATTACTTTTG TCATCTTCAT CATTAATCT
273901 TTGCCAAGGC CTATGTGTAG AATGATATTT CCTAGATTAC CTTCCAGGAT
273951 TTTTATTGTT TTAGGTTTTA CATTTAAGTC TTTAATCCAT CTTGAGTTGA
274001 TTTTGTGATA TGGTATAAGG AAGGGGTCCA GTTTCAATCT TCTGCATATG

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274051 GCTAGCCAGT TATCCCAACA CCATTTATTG AATAGGAAGT CTTTCCCCAC
274101 TGCTTGT TTT TGTCAACTTT GTCCAAGATC GGATGGTTGT AGGTGTGTGA
274151 CTTCATTCCCT GGGCTCTCTG TTCTGTTCCA TTGTTCTGTG TGTCTGTTTT
274201 TTGTACCAGT ACATACTGTT TTAGTTATGG TATCCTTTTG ATATAGTTTG
274251 AAGTCAGGTG ATGTGATGCC TCTAACTTTG TTCTTTTGCT TAAGATTGCC
274301 TTGGCTATTA GGGCTCTATT TAAGGTTTCAT ATGAATTTTA AAATAGTTTT
274351 TTGTAATACT GTGAAGAATG TCATTATTAG TTTGATAGGA ATAGCATTGA
274401 ATATGTAAAT TGCTTTGGGC AGTATGACTG TTTTAACAAT ATTGGTCTT
274451 CCTAATCATG AGTATGAAAT ATTTTTTCTA TTTGCTTG TG TAATCTCTGA
274501 TTTCTTTGAG CAATGTTTTG TAATTCTCAC TGTACAGAAT TTTCACTCCC
274551 TGGTTAACTA TATCCCAGG TGTTTTGTTT TTTCCGTGGC TATTGTGAAA
274601 GAGATTGCAT TCTTGATTTG GCCCTCAGCT TGGACATTGA TGGTTTATAG
274651 AAATGCTACT GATTTTTGTG CATTAAATTT GTAGGCTGAA GCTTTGCTGA
274701 TGTCATTTAT CAGATTTAGG AGCTTTTGAA TAGAGATTGT GGGGTTTTCT
274751 AGATATAGAC TCATATTATC TACAAACAGA TAGTTTGATT TCTTCTCCTA
274801 TTTGGATGCC TTTTATTTCT TTGTCTTTCT TGATTGCCCT GCCTAGGACT
274851 TACAGTACTT TGTTGAATAG AAATGGTGAG AATGGGCATC CTTGTCTTGT
274901 TCTGTTTCTC AAGGGGAATG CTACAGCTTT TTTTTTTTGT TCAGTATGAT
274951 GTTGGCTGTG GGTTTGTGAG AGATGCCTCA TTATTTTGAG ATATGTTCCCT
275001 TCAATGCCCTA GTTTGTTGTG GAGGATTTTT AACATGAACA TATGTTGAAT
275051 TTTCTCAAAA ATCTTTTCTT CGTCTATTGA GATGATCATG TGGTTTTTGT
275101 TTTCACTTCT GTTTCTGTGG TGAATCACAT TTATTGATTT GTGTATGTTG
275151 AACCAACCTT ACATCCCAGT AATAAAGCCT ACTTGATCAT GGTGGTTTAG
275201 CTTTTTGTTG TGCTGCTGGA TTTGGTTTGC TAGCATTTTA TCCTGGATTT
275251 TTGCATCTAT GTTCATCAGG GTATTGTTGT GTCTCTGCCA TATTTTGGTA
275301 TCAGGATGAT GCTGGCCTCA TAGAGTGAGT TAGGGAGGAG TCCCTCCTCC
275351 TTAATTTTTT GGAATAGTTT CCATAGGAAT GGTACCAGGT CTTCTTTATA
275401 CATCTGGAAG AATTCAGCTG TGAATCTCTC TGGTATGGGA CTTTTTCTTG
275451 TTGGTAGGCT TTTTATCACT GATTCAGTTT TGGACCTCAT TACTGGTCTG
275501 TTTTCAAGAG TTTATTTTCT TCCTGGTTCA ATGTTGGGAG GTTGTAGATT
275551 TCTAGGAATG TATCAGTTTC TTCCAGGTTT TTCAGTTTGT GTGCATAGAT
275601 ATGTTTGTAG TAGTCTCTGA GGATTTTTTT TTATTTCTAT AGGGTTGGTG
275651 GTAATGTCCG ATTTGTTATT TCTAATTGTG TTTATTTGGG TCTTCTCATT
275701 TTTTTCTTTA TTATTCTAGC TAGTGGTGTA TCAGTCTTAT TTAATCTTTT
275751 AAAAAACCAA CTCCTGAATT CATTAACTTT TTGGAGGTTT TTCACATCTC
275801 AGTTTCATTC AGTTTCTTGT TAGTTCTTGT CTTGAGCTTT
275851 GGGGTTGGTT TGCCTCTTGT TTTTCTAATT CTTGTAGTTG TGATGTTAGG
275901 TTGTTAATTT GAGATCTAAC TTTTGTATGT GAACATCTAG CACTATAAAC
275951 TTTCTCTTTA AACTACTTT AGCTGTGTCC CAGAGATTCT GGTATGTTTT
276001 ATCTTTGTTT TCATTAGTTT CAAAGAATTT CTTGATGTCT AACTTAATTG
276051 CATTGCTTAC CCAAAGTCA TTCAGGAGAA GATTGTTTAA TTTTCATGCA
276101 CTTATATGGT TTTTAGAGAT CTCCTTAGAG ATTTCTGTTT TTATTGTGCT
276151 GTGGACTGAG AGCTTGGTTC GTATGATTTC GATTTTTTTT CAGTTTGCTG
276201 ACAATTTGTG TTGTGGCTGA TTGTATGTTT GATTTTAGAG TATGTGCCAT
276251 GTGGCAATGA GAAGAATGTA TATTCTGTTG TTTGGGGTGG AGAGTTCTGT
276301 AGATGTCTGT CGGGTCCTTT TGGTCAAATG TCAAGTTCAA GTCCTGAATA
276351 TCTGTTTTCT GCCTCGGTGC TCTGTCTGAT ACTGTCAGTG GGGTGTGAA
276401 GTCTCTCATT ATTATTGTGT GGTATCTTAA GTCTCTTTGT AGGTCTCTCA
276451 GAACATGGTG CTTCTGTGTT GGGTGCATAT ATATTTAGGA TAGTTAGGTC
276501 TTTCTGTTGA ATTGAACCTT TTACCATTAT GTAGTGCCCT TCTTTGTCTT
276551 TTTTGATTAT TGTTGGTAAA AAGTCTGTTT GGTCTGAAAT TAGAATAGTG
276601 CCCCTGCTTT TTCCTGTTT CCATTTTTGT GGCAGATTTT TCTCATCCCC
276651 TTTACTTTGA GCCTATGTGT GCCATTGCAT GTGAGATGGG TCTTTTGAAG
276701 ACAGCATATA GTTGGGCCCT GCTTCTTTAT CCAACTCGAC ACAGTGCCTT
276751 TTAATTGTGG CTTTGGTCT GTTTACATTC AAGGTTAATA TTGATATGTG
276801 TGGACTTGAT CCTGTCGTCA TGTTATTAGC TGGGGTTATT ATATAGACTT
276851 GATTGTGTAG TTGTTTTATA GTGTCAACGG TCTATGTATT TAAGTGTGCT
276901 TTTGTGGTAG TTGGTAACTG TCTTTCCTTT TCATATTTAG CACTCCCTAA
276951 AGGACCTTTT GTAAGGTGGG TCTGATGGTA ATGAATTTCC TTAGAATTTG
277001 CTTGTCTTAA AAGGATCTCA GGGTTTTTTT TTGTTGTTGT GTTTTTGTTT
277051 TTTGTCTTAT AAGCCTTAGT TGGCTGGGTA TGAAATCTT GATTGGAATT
277101 TTGTTTCTTT AAAAATGCTG GATATAGGCC CCCTATGTCT TCTGGCTTGT
277151 AGAATTTCTG TTGAGAGGTC TGCCATTAGC CTGATGGGGT TCCCTTCGTA

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277201	GGTGACCTGT	CCCTTCTCTC	TAGCTGCCTT	TAGCATTTTT	TCTTTCATT
277251	TGACCTTGGA	GAATCTGAGG	ACTGTGTCTT	GGGGATGCTC	ATCTTTGTAT
277301	AGTATCTCAC	AAGGGTCTC	TGCACTTCCT	GATTTTGAAT	ATTGGCCTCT
277351	CTAGCAAGGT	GGGGAAAATT	TTTATAGACA	ATATCCTTAA	ATATATGTTT
277401	CAAATTGCTT	GCTTTCTCTC	CCTCTCTTTA	AGAGATGCCA	GTGAGTCATA
277451	GATTTGGTCT	CTTTACATAA	TTCTTGCTTT	CTGTCCCTCT	CTTTCACATA
277501	TACCACTGAG	TCATAGATT	GGTCTCTTTA	CATAAATCCA	TATTTTGGGA
277551	GGTTCATTCT	TTTTTATCCT	TTTTTCTTTA	TTTTTGTCTG	AGTTAATTTG
277601	GAGAACCAGC	ATTTGAGCTT	TGAAATTTTT	TCCACAGCTT	GGTCTATTCT
277651	GGTATTACTA	TTTGACAATT	TATTATGAAA	TTCTGGAAGT	GAGTTTTTCA
277701	GCTCTATCAG	ATCAGTTTGG	TCCTTTCTTA	AAATGGCCAT	TTCATATTTT
277751	AGTTCTGTGA	TTGTTTTATT	GTATTCCTTA	GATTTCTTGG	ATTGGGTTT
277801	GACTTCTCC	TGAATCTCAA	TGATCTTTTC	TATCCATATT	CTGAATTTCTA
277851	CGTCTGTCT	TTCAGCCAAG	TTAAGAATCA	TTGCTGGGGA	ACTTGTGCAG
277901	TTATTTGGAG	GTAAGAAGAC	ACTCTGACTT	TTTGAGTTGC	CAGAGTTCTT
277951	GTGCTGGTTC	TTTCTCATAT	TTGTGGGCTG	ATGTTCCCTC	AATCTTTGAA
278001	GTGCTTTTCT	TGTGGATGGG	TTTTTTTGCT	TTATCGTCTT	TGATGCCCTT
278051	GGGATTTTGA	TTGTGGTACA	GGGTGGTTTC	AGGCATCTGG	CTTTGTTTTT
278101	GGAAATAAGT	GAGCTGTGTG	CTCTAACTCT	AGAGGCTGGT	ACCAGTGCCCT
278151	GAGCTTTGTT	CTCTGGACCC	TTGAGGTTAG	GAACCTGCTG	CACTAGGGGG
278201	GTGTTGAGGT	GTTCCCGGTC	TGCTAGCCAC	AACATGCCAA	TAGTTGGTGC
278251	TGGCCAAAGA	GTTCTGTTGG	GGCAATGGCA	GTGGGATCTG	TGTTACGCG
278301	CACATGCCAT	CAGCTGAGAC	ATAGTCATGG	GGTATACATG	TGTCAGCTGG
278351	GGTGGAGCAC	CATTGGGAAT	GGAGTGATGG	CATTCTGCA	CCCCTCGTG
278401	CTGTGTGGCAG	TGATGGCAGT	CTGTGGTGGG	GTCCAAGCAG	GGGTGGGGTT
278451	GCCAGCATTT	GTGTGTGTGC	TTGTGCTGGT	GGCAGCAGGG	GAGGGATTTC
278501	CAACATCTGT	GCATGCATTT	GTGGTGGCAG	CATGGTGGGG	TGCCACACA
278551	TTGGTGGAGG	GGGCAGTGGG	GTACGCTCAC	ACCAGCAGAA	GCAGTGCTAT
278601	GGTGTGTGCA	CTGGCGGGGG	AGGGAGGGAA	GGTCTGTCTA	CACATGCATG
278651	GCAGCCAAAC	AATTTGAAGA	AGGTCATTGG	TGAGTGCCTG	CTAACAAAA
278701	GGCAAAGGGA	AGCTTCAGGT	GAGCTGGTGT	GTTTTGGCAG	GGCAGGCTCT
278751	GCTGGAGTTC	TCCAACAGTC	AACTGTGGCC	TGCTGTGTAA	AGAGCTATGA
278801	TGAGGGCCTC	TGGGAAATAT	CCTGGTTGGG	CATCCAAGGC	TGCACTGCTA
278851	GCAGGCATGG	TGAGGGTGGG	GCCCAGGAG	AAGCCAGCAG	ACACAGGAGT
278901	GCTCAGATTG	GACTGGCCCC	ATTCCACAGG	CAAGATTGCC	CTGCTCTGCC
278951	TAGGTCCAAC	AGTCTCCCTA	AGGTTAAAGT	CTCCTAAAGG	AGCATGGTGA
279001	GCCTTGGGGA	ATTGGCATGT	CTTGTCCCTG	GCTCCACTGC	AGATGTTTTT
279051	ACACCAAACC	CTCTTGGCTC	TGCACAGGCT	GGAACTCTAC	CCCGTCCACC
279101	TCTCTGAACA	GTTCTCCCTG	CCAGCTCAAG	TGTCCTTTGA	GATCTTGGGG
279151	TCTCTTGCTG	CTAGAAATCC	AGAGGTTGAT	GGCAAGAGTG	GGCCATTCTT
279201	CACCTATTCA	ACTCACCTTT	TCTCAGAGTC	ACTGGGGCTA	GGAAATGAGT
279251	TTGGTTCTTG	ACAGCCCCAC	GCAGGGCTCC	CAGCTTCTCT	CCCTTACAGC
279301	TAAAGCATCT	GGTCCCTCCT	CTATCCACTC	TCAATGCCTT	CTCTCCAAG
279351	ATCTGCTTGG	AGTGTCCAG	TCITCCCACT	TGCCCCGCTC	CTTGATGGGA
279401	TATGTTCTCT	TTGGCTGTGT	CTAGGCAGCC	ATTTTGGCTT	GGGCCCTTGT
279451	TTTTTATCTC	TAGCATTTCT	TTTTGGTTCT	GTCTTAGGAT	TTAAGAAATC
279501	CTAAGATTTT	TTATGAAATG	TGGTTCCTTC	TTAGGATTTA	AGAAATCCTA
279551	AGATTTCTGT	TTATGTTGCG	CATCTTTTTT	TACATGCTAT	CTACTTTATC
279601	CATTAGAGTT	AGCATAATCA	TAGTTGTTTT	AAATCCCAGT	TCGTGATAAT
279651	TCAACATCCC	TGCTTGTTCT	TGTTCTGGTA	CTTTGTCTCT	TCAAAGTGTG
279701	TTTTTTACCT	TTTAATATGT	CTTATAATTT	TTGTTTTGAT	AACCAAACAT
279751	GTTACACTGA	GTA AAAACTC	TGCTGTAAAT	GGGCCTTTAG	TAATGTTGCA
279801	GTAAGTG TAG	GGGGAGGAGA	AGCATTCTAC	ACTCCTAGGA	ATAAGTTCTC
279851	TGCTTTTAA	TGTGTCTGTG	CCTCTGGCTG	TGAACTTTGT	AAGCCTTTCT
279901	CAGTTCTCAG	TTCTCAGGG	GCAAGATGGC	TAAAGTGGGC	TATAGTTGGG
279951	GTAATTTCCCT	TCTCTCATGT	TGAGTGGGCT	AGAGCTGGTT	ATTTTCTCT
280001	TTCCACATGG	AAGGCTAGAA	CTAACTGGAG	TTGACATTTT	CTTTTACCT
280051	GGGCCAGTTA	GGCTCTGATT	AGTAGATTAG	GCTCTGGTTA	ACTAACTTCT
280101	CCTAAGAGCA	AGGCTTGCTA	AGAAGAACAG	AGCGCACTGA	CATAGTTCAA
280151	AATGGTTTCT	TCTCTTTTCC	CCCTACTGGA	AGCATGGAGA	GCTGTTTCTC
280201	CCATATTTAC	TGGGATAACA	TAGTCAAGCT	CCTGGAGGTA	TATCTCACTC
280251	AATTATGGGG	ACCTTGATATA	ACTGGGTTTA	CTGGAGCTTT	TTAACTTTCT
280301	GATTTGTCCA	CACGTGAGCT	CCAGGAATTC	ATCAGTTACA	TTCATGTTT

280351	TCCTACCCCA	GCACCTGGTC	CCGCAATGGT	TTCTACTTGT	GAGTTTCTCT
280401	TGGTAAGCCA	TGACTCCATG	GATTTGCCTG	CCTGTGTCTC	CAATCTTGGG
280451	GGCAGAGGTT	TGCCCTGTGT	CCTCACCTCT	CTAATGGATC	CTAAAAGAGT
280501	TGTTGATTTT	TTTAAAACTC	TGTTACAGCT	TTTACTTATT	AGGAGGGAGT
280551	GATGCTTTCT	AAGTGACTTT	CTGGAAAAAT	GAGAAACTAT	AAGTCTCCCA
280601	CTTTTCTTCG	TATCCTGTAC	CTCCTATTTT	GGGATTAATA	ATAGCTCCCC
280651	AAGTTATATC	AACTTTCAAG	AAATATAAAC	CAAACCCTCA	ATAAACCAAGT
280701	GTTAACTCTT	GTTGCCTTCA	GTATCCTTTA	CTGAGCCACT	GCGTTTGCAG
280751	AGAATAGTGC	TTACTGCTAT	AAAGTGGAGA	GAGAAATAGA	ATAGTCTTTG
280801	CCTTTTGAGAG	ACTGAAAGTC	TATTTTCATT	GAATAATATAT	TGTTTCCCGA
280851	ACTCTTTGTC	AAAAGGATTT	GAATAACAAG	TTGCCAGTTG	ATGCATATG
280901	GTAGCACATT	TTTGCTGACA	GGGCTTAAC	CATTAGAGTT	ATCTGAGAGA
280951	CATTTATTTA	ATCCCCTTTT	ACATAAAATG	CAATATATAG	TAAGGCTAAT
281001	AACAAAGTAA	TATCTATAGA	AAGTGAAGAT	CAAAGGGAAG	GTGAGGAAGT
281051	CAGTGTGCTG	ACCATAGTTG	TTGTGTGAAT	ATATAGTTTG	AGCTTCCAGG
281101	AAGCCAGGTC	AAAAAGGGAA	AACATGATAC	AATTCCTAGT	TCTCATTATC
281151	AAGAATGCCA	ATGTGCTGCC	AGTTCCTCAG	GGAAGACAGA	GCTTATCATG
281201	TGATGTTTTA	TATAGAGCAT	ATTGAGCACA	GCAATATCTT	CAATAGTTCT
281251	GCATGAACCTG	CAGTGTGAAT	TTTGTAAAGG	CGGTTTCTTT	GGTGACAAAA
281301	AGCTGTTCTA	TAATGAACTA	AACATGTAG	CCTTCCAAGG	GTCTAACGTT
281351	ATTCAGTGGT	AAAATTTCAA	GTACCTAGAG	AATTTATAAT	CTGTTGGTTT
281401	TAATTAATAA	TAAATGTTTG	CTTCTCACTT	TTTAAATTAAT	AAAATATGTG
281451	ACACTTGAAG	AAGGAAAAAT	ACTGGAAGGC	AGATTTTGAT	TTAAATTTCT
281501	AGAGGAATAA	ATGACAGGAA	TGCCCTTGGC	TGATTTGATG	AGTATGCTTC
281551	TCTACTGTCA	TGCATTAATT	AACGTGTGTT	TGACTTTCTA	TTTTTATGGT
281601	CACCTCTTAA	TCAAGGAGTG	TTAAAGCACA	ATTACTATTA	TTGATATTCT
281651	AAGAAAGGCA	AGATGCGAAG	TAGCATCCAT	TAGTAACCTA	ACATGGAGCT
281701	TCTACAGTCT	TTAGTAAGGG	GTTCGTCTGG	TTGGTTTGGC	CTATTCTTTA
281751	GGCAGTAGAA	TCTTACCCTA	AATAGTCAAG	AAAGTCTTAA	TACAATAAAA
281801	CAGTTCTTAA	CTCAGAATTG	TCTAAAGCAG	CTCAAGGATT	TGTTGTGTGT
281851	AATCAACTTT	ACACTCTGGC	ATGAGAATAA	TTTATGAATG	CAAAAAATAGA
281901	TAAAAACAAA	TTCTGATGGC	TAAGTGAATG	GGGGCAGAGG	ACAAGAGTAA
281951	GTGAACACAA	TAAATTTACA	CCCCGTCTTT	TAAGAAATTAG	GAATTACCCT
282001	CTCACTGTAT	GACCTTCCCT	ATCTGGTCTA	CATTTTCTCT	TTCCCTATAT
282051	GGTACACATT	TTGTTGATGG	TCTTCTGCAT	GTCCCATTTCT	ACTCTGAAC
282101	AGGATAATCT	ATTCTTTGTA	ACAGAGTCCT	TTTATAATTT	GCAAAAGTTT
282151	ATACACGCAC	CTGAGGATTC	TCAAGACTCA	ATTTAAGTGT	AATTGCCATT
282201	GGATGATTTT	TATAACCTGT	GCATCATCTA	ACGCAGCTGT	CCCTGACTTT
282251	TTTGACACCA	GGAACTGGTT	TTTGGAAGA	CAATTTTCTC	AAGGATTTGGG
282301	TGGGGGTAGG	TGGGGGTAGG	GTTTCCAGGAT	GAAATTGTTT	TATCTCAGAC
282351	CACCAGGTAT	TAGTTAGAAT	CTCATAAGGA	GCACGCAACC	TAGATCCCTT
282401	GCATATGCAG	TTCACCACAG	AGTTTGTGTT	CCTATGAGAA	TCTAATGCTG
282451	CCACTGGTTT	GACAGGAGGC	AGAGCTCAGG	TGGTAATGCT	CTCTCAGCTG
282501	CTGCTCACCT	CTGCTGTGTT	GGCCCGGTTT	CTAACAGGCC	ATGGACTGGT
282551	ACTGGCCCGC	GGCCATAAGG	TTGGGGACCC	CTGCTCGAAC	GCACTAGGTT
282601	AAATGCTTGG	TGTTACTTAA	TCCCCCCAGA	ATGCTTTCTG	CTGTTTGTTT
282651	GGCCTGTATC	ACTCTCTAAC	TTTGGGATT	TTGTTGTCTG	TGTAAGTGT
282701	CTAACTGCTG	TGGTCTCTGG	AAAGGCATTT	TAAAATTCAT	TTTTTCACATA
282751	CTCTTTCTTA	ATTGAATCTT	TGGGGGAAGA	AACAAAGCAA	CATAAGCTGG
282801	GCTCTGGCAT	TATTTATTTG	ATTGTTAAAA	AAAGTAATCA	TGGGCATGAG
282851	GTCAATTTCT	AGTTGAAATC	CAGGTAATAA	TGGATCTTCT	ACTGTACAGAA
282901	GCATATATGT	CTTAAAAACA	CCTCCTCTCC	TCTACTTTCG	AGTAGCTCAG
282951	GAAGATGTTT	TCATTTAAACA	CAAGTCCCAA	ACAGTGATGT	TTCATTACGT
283001	CTCAAAATTA	CACCAAGATT	CTTTATGAAC	TGGAACATCT	GGGTACAAGA
283051	AAAATGCTTT	CTATTTTTTT	TTTTGACAAT	ATTATCTGCC	GAAGTGAAG
283101	AATGGATGTT	GAGTAAATTA	AGGAAGTGGG	TCTTTTGCCA	GACAGCTGAG
283151	AGAAATCTAT	AAATAAAACT	ACCTTTTGTG	TCAGAAATAA	GAGGGTAAAA
283201	CATTTTATTT	TAAAAGGCAC	TTGAGCTCAG	GAGCTTGAGA	TCAACCTAGA
283251	CAGCATAGCA	AGAGTCATTC	TTACTAAAAA	TAAAAAAGAC	AAATTAATCA
283301	AGCTTGGTGG	CACATGCCTG	TAGTCCCAGC	TACTCAGGAG	GCTGAGGCAG
283351	GAGGATCGGT	TGAGCTTTGAG	AGAGTGAAGC	TGCAGTAAGC	TATGATCATG
283401	CAGCTGCAC	CTGAGCTGGG	TGAGAGAAATG	AGACCATGTT	TAAAAAAAAA
283451	AAAAAATAAA	AAAAAATAAA	AAAAAATAAA	CCTGTAGATA	TGATTACATG

283501 ATTTCCCTTAT TGCATTTTTTC TATCGAAAAA AAAGACACAT GATTTAGACA
283551 GGATTCAATG GTTCACTGCC GATTCCCCAG CACAAAGTTC AGTGCTCAAT
283601 AAATAGCTGT TGGGTGAGTG AATAGATGAA TGAATGAAAT ATGAGGTCAT
283651 AAAAAGTATT TATTCTCTAT TGTACCCCTG AGTCTCCAAA AGTTTGCTCA
283701 CTAATTTATG ATAATTCAGA TATTTGATTA TCCTAAATGG ATTGTGATTA
283751 GGCTTAAGAA AAATGGGTTT TAGGGACAGT TTTCAGGTGC CCATAGGTTT
283801 GTTTTCTCTG GACAAGATGC AAGGCTCCAG TGAGGAACTG GGTTTTAATG
283851 TGATGATTAA TACGAGGTGA TTACAGGAGA TACCTCATAG ACCTCAAAGA
283901 CTAATTTTCA GGATTAGATG CGAGATATTT TGTAAGCAAC TTCCTGATG
283951 AACGACTTAG CTATTATCTT CTAAAGATTT TTATTTTAAA AATCCCTTGC
284001 ATCTCAATTT TTCTTCTTTG TTTCTTACTT TTACTTTATA CATGACAGAT
284051 ATACTTTCAA ACTTTAAAGT GAAAAGCGAT GTCAGAGGTG CTGATATTCA
284101 CACCTTTTGA GTGTCAGCTG CAGGGAGATG TGTTTCTTGG CTGCTTCTAA
284151 AACATCTGCA GAAAAAAAT ACAGTGTGTA TCTGCACAGA AGAATGACAA
284201 ATGCAGGAAA AGACAGGAGT CACACAGCAA CATTAATGCA GCACCTTAGG
284251 CAGTTTGCAT CACCCAGACT GTGCCCTAAA ATGAAGGTGT TTCATTTTTT
284301 AAGCTGTTGT TGTCAATACC CTTGACGGGA TGTCTGAAAA TATGCAGCCT
284351 AGTAATTGCT TCTAGCTCCA CAGCATGAGC ATCATAGACC TCCTTCTTAA
284401 GCCATGGTTA GGAGAGAAGG AAATATCTAT TGACCCTGAT AGCTATTTTC
284451 CCCTCTCATA ACTCCCCTGT GGATTAGTGG GGTTCCTGGG ATCCCTCATC
284501 CTTTGCTTAA GTAAATATGT ACAGAAATAT ATCAGCTTTA GGAGATTTAG
284551 AAGCCCTGCA CTTTTTTTCA AAAAGTTTTT AAACCGATGC ATAATATTTA
284601 TACATATTTA TGGGATACAT GTGATATTTT GTTACCTGCA TTGAGTGTGT
284651 AATAAGTCAG GGTATTTAGG ATATCCATGA CCTAGAGCAT TTATCATTTT
284701 TATGTGTTGG GAACATTTCA AGTCCTCTCT TGTAAGCTATT TTGAAATATA
284751 CAATACATTG TGGTTAACTA TAGTCACCCCT ACTCTGCTGT CAAACATCAG
284801 AACTTACTCC TTCTATCTAC CTGTATATTT GTATCCATTA ACCAACCTTT
284851 GTTCACCCCC CTCACCCCA CACAAGAAAG CCCAAGACTT TTAAATCACT
284901 TCTGTGACTT ACTAGTCCTG TAGCTTTGGG CAAATTGCCT AAGTTTTCTG
284951 GGCTTCTCTT TCCTGCTCCA TTAAATGTAA AAGATCATA ATGCTGCCTA
285001 CTCTCATTTG TTTATTATGA ACCTTGAATT AAATGCAACA AAGCAAATAG
285051 AAGCACCTTG TTGTATTCTG TGGTGTGGC TTAATATTGC TGAGTGAATA
285101 ATGTTAGAAA CATGGATGAT TGTGGAAGAG CAGAAGTGT ACAGAGTGTG
285151 CTAAGGCAGC TGACGTTTGC CGCTTGGAAG TGAGACTTGA GAGCAGCACT
285201 GAAAGGAATA TGTTTGAAGA GTATAGTTCT TGCAAATATT TGTGTATGC
285251 AAATCAGTAA AATCTAGTGA TAAACATCCC AGAGAAGATA AAGATTTAGC
285301 AAAAATTGTA AACCCTGTG TGTGTTTTTA GAGAGCTGCT GAAAAATTCA
285351 ATGGAAGCCC ACAAAGTCTA GAGATATTTG AATTTATTTT TGATTTGAAA
285401 TAACTGGTTG GGTAACTGAT CTTAGGAAAA TGTTAGAACC TGCCATAGTT
285451 ACCAGGTATA TATAGAAAAG CTCGGAAGGC AACCAGGCCA CAGTCACCCA
285501 AGAAGACATG GGTTTTGTCC ATAAAATTTG AATTGTCCAA GAGAGGGCAT
285551 GTAAAGCCAA AATGGGGAAG GGTGGAGTTG GATGAGGATG TGTCATTGCC
285601 CTGAGATGTT AGGAGCAGCG TTCTTTAAGT CAGGGAGACT TGGACTCCGA
285651 TTTTCTTGC CACTAAACAA TTTTATGATC TTGGGCAGGT TGCTTTACCT
285701 CTTCAAGGTT TAATTTAGTC ATCTATAAAA TGTGGATAAC AATGCCTGCT
285751 TTCCAGGGTT GAAATAATTA GATAACACGT TAAGTGATTA GCATAATGGA
285801 CTCATGGAAA GCCATGACCT TGGGGCAATG GGGGAGTGAG GGTGGGATAA
285851 TCATTGTAGA CATGAGCCCA TTTTACAGAT GAAACAAGTA TCTTCTAAGC
285901 TTCAACATAT GTACAGAGAA GACCTAGAAT CCAAATTTCC TGAGAACTAG
285951 TCCAGGCAAT TTATGTATAG TGTGGGTACC AGGGTGAGTG TGGGCTCCAG
286001 GGCTCCTTCC TCTGAGGAAT CTATTCATAG CCTGAATCTG TTTCTTTAGA
286051 AGACACTTAA TATTTATTGA ATGGTCAGTC AACTCAGCCT CATAATTGTA
286101 CCTTCTACAT CTGTAACAAA CAGCACAAAC TCAAGTTGAT CCCTACTAAT
286151 CTAGAATAGG GCCAAGGGTG ATTCAGCCAA GTTTCAGAAC CCCTAAGATG
286201 CTATGAGCA CCGTTTTCAG TAATAGTTCA AATAGGAAGG CTAAAAATTA
286251 GAGGTAAGGG AAGTAGACAA AAGTTTTTTT AAAAATTTT TTTTAGTTCA
286301 GGGGTACATG TGCAGCTTTG TTATACAGGT AAACCTCGTG CGGGGGGTTT
286351 GTTGTGTAGA TTATTTTCATC ACCCCAGGTA CTAAGCCTAC TACCCAATAA
286401 TAGTTATTTT TTCCACTCCT CTTCCTCCTC CCACCCTCCA CCTTCTAGTA
286451 GGCCCCAGCG TCTGTTGTTT CCCTCTTTGG GTCCATGTGT TCTCATCAT
286501 TAGCTTCCAC TTACAAGTGA GAACATGTGA CATTGTGTTT TCTATTACTG
286551 TGTTAGTTCA CTAAGGATTA TGGCCTCCAG CTCCATCTAT ATTGCTGCAA
286601 AGGACATGAT CTCACTTTTT ACAGCTGCAT AGTATTCCAT GGTGTATATG

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286651 TACCACATTT TCTTTATCCA TTCTACCATT GATCAGCATT GAGGTTGATT
 286701 CCATGTCTGC TATTGTAAAT GGTGCTGCAG TGAATATACA CATGCATGTA
 286751 TCTTTATGAT AGAATGATTT ATATTCCCTT GGTTACATAC CCAGTAATGG
 286801 TATCACTGGG TCGAATGGTA GTTCTATTTT AGCTTTTTGA GGAATCTCCA
 286851 CACTGCTTTC CACAATGGTT AAACCTAATTT ACCTCCCACC AGCAGTGTGT
 286901 AAGTGTCTC TTTTCTCTGC AACCTCACCA GGATCTGTTA TTTTTTGACT
 286951 TTATAATCAC AGCCATTCTG ACTGGTGTGA GATGCTATCT CATGATGGTT
 287001 TTGATTTGCA TTTCTCTAAT GATCCATGAT CTTGAGTTTT TTTTCATATG
 287051 TTTGTTGGCC ACACGTATAT CTTCTTCTGA AAAGTAAGAC ATAGGAAGTT
 287101 TTCACTATGT TATAGACAGA GCAACACATC TGAATATGTT CATATTACCA
 287151 TGTCTCCATG CAAAATTTTG CTGTTTTAA CCAACACAAA CAAAACAATC
 287201 TTAGGAATTT TCAAGAAGGG GACTTTACAA CAAACACTGC TTTTACAACA
 287251 GTAGCATTTT AGCGCAAAGT TGAATAACA GTTTTGCCCC ACAGGTTTAC
 287301 ATATGAACCA AGTAGCATTT CAACATTGTG CGTTTTCCCTA ACAATAAATG
 287351 AATTGGCAAT TTTTAAACT CATTTAAAAG GTTTTCAAGT TAAGGTATAT
 287401 TTAATTTTCA GTACAATATA TTGGGAAATA GATGTCAGCT GCCAACTCAA
 287451 TAATGCTGGC ATTTATCTCT GTAATGACAT CTAATCTCT TGTTTAACT
 287501 ATACCCAGTA TTCTGATTGG TAATCTCCAG ATTCTTCTCC AGAAATATCT
 287551 CATTGCTTTC TTCCAATTTA TCCATGGAGA AAAAGAGTGT GTGTGTGTGT
 287601 GTGTGTGTGT CTTGCATTAA GGAAGTTGTA GAATACTGTA ACCACAATTT
 287651 TGCACCACGT TACTGTTTAT CTTCTGTGCT GTTACAGCAT CGACAGCAGG
 287701 AGCTGGAGGT GGAAACTCAT GGAACAACCA TCAAGAATAC TGTGTTCTCT
 287751 TGTGCTCATT TCTGATGTT CACACAAGGA CCAGGTTGTT CCACCTGTAG
 287801 CTGATTTAAT ATCAAATTGC ACAACAAATC TTTTGAGAAA ATCCTCTATG
 287851 CTTAAGAAATG TTACATATTG AAAAGGAATC CTACCCAGCC ATTCTCAACT
 287901 TGTCATTAC CATGACATTC ACAGAACTG TAGGATAAGT CTTTTTCTCT
 287951 TCCAGCTTTC CAATCTCTCT TTAGCACTTC CTATTGGCAG AGCCTACCTA
 288001 GTAGGAAGCA GCTGGAAAGC TATAATAGGG TTGGCAGAGC CTTGGGCACA
 288051 ACATCACAAG GTGGCATACA GAAGAGTGGG CTTGGAGCTG AGATAATAGC
 288101 TGAAAACTG GCACAACCTG CCTGCCCACC ACACACAAA AACATTCTTG
 288151 GAGCATATCA TGCTTCTGTG TTTCTTGCTT CACCATGAAA CTTGAGCAAT
 288201 TCCTTCAGCA TCATAGGTGG AAAACAGCCT TGAATTCAGT TGTCTGGGA
 288251 CAAGCCTTTC TAAGCTCCCA TACTCATGTT TTTAAAATAT ATTTTATTAC
 288301 ATTATTCACT CATTATTCAA TGCCAAATAT AGCAGACAAA CAAGCTTCAA
 288351 GTTAAATAGT TTAATAAGCA ACAAACAAAT AACTTATAAA TTATCTTAAG
 288401 GGATGGAAAT TACTGAGGAG CTTATTATAT TTTATTTTAC TTCTTTTTTA
 288451 TTGTACATAT TTAAGGTATA CAACATGATG TTTTGATACA TGTACCTTGA
 288501 TATACACATA CGTAGTGAAG TAATTACTGT AGTCAAGCAA ATTAACATAT
 288551 CCATCATCTC ATATAGTTTC TTTGTGTGTA TGTAAATAAAA GTACCTAAAA
 288601 TATACTATCT TGGCAAATTA CCAGTATACA ATATTTCTGA CTCTAGTCTT
 288651 CATGTTGTAT ATTACATCTT TAGACTATTC ATCCTACCTG CAACTGTGTA
 288701 TGCTTTGACT TACATCTTCC CATTTAATCC CTCCCCCAA CAGCCACCAT
 288751 TCTATTCTCT GTTCTATGTT GCTGTATGCA ATCTGTTTTC TTTTTTTAGA
 288801 TTCCGATCAT GCAGTATTTT TCTTTCTGTG TCTGGCTTAT TTCACCTAGC
 288851 ACAATGTCCT CTAAGTTCAT CCACGCTGTC ACAAGTGGCA GGATCTCCTC
 288901 TTTTAAAGC TGAATAATAT TCCTGTGTGT GTGTGTGTGT GTGTGTGTGT
 288951 GTGTATTCAT CCATCAGTAA ACACAGGTTG TTTCTATATC TTGCCATGCT
 289001 TCTTTTTTTT TTTTCTTCAA CTTTTAAGTT CCGGGGTACA TGTGCAGGAT
 289051 GTGCAGGTTT GTTACACAGG TAAACATGTG CCATGGTGGT TTGCTGCACA
 289101 GATCATCCCA TCATCCAGGT ATTAAGCCCA GCATCCATTA GTTATTTTTC
 289151 CTGATGCTAT CCCTCCCCCA CCAACCCCCG ACAGGCCCCA GTGTGTGTTG
 289201 TTCCACCCCT GTGTCCATGT ATTCTCATTA TTCGGCTTCC ACTTGTAAGT
 289251 GAGAACATGT GGTGTTTGGT TTTCTGTTCC TGTGTTAGTT TGCTGAGGAT
 289301 AATAGCTTCC AACTCCATTC ATATCCCTGC AAAGGACATG ATTTTATTCC
 289351 TTCTTATGGC TGCATAGTAT TCCATGGTGT ATATTTACCA CATTTTCTTT
 289401 ATCCAGTCTG TTATTGATGG TATGCTTTTA TTTTTTTAGT TATCAGTACA
 289451 AAGGCATAAA TATTTTATG GCTTTCTATA TATGGATATA CAAAGAAAAT
 289501 TCTCAAAAGG CTATTTGTTT TGTTCATAC ACCAGGTAGA CAGACAGTAG
 289551 TTCTGTGGTT ACTATAACA TATGATTCAA ACAGCCTAAT TTTCTGAAAA
 289601 AGGAAAAAAA CATTATGCCT ATCTTATTTT CTACTTAAAC AGAACTTTTT
 289651 ATTTCAAATA AAAGCATGAA TCAAGCATAA AACAACCTAA TTGCTAATCA
 289701 CTGTATTTTA AAATTATCCT TAATTAGAGA AAAATCTAAA GTGAATACTG
 289751 CCAATTATGA AACTTTTCTT GTGTGTCCTT AATTTGTATC TGTCACTCAT

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289801 AAAGCTAACC CTGCATGCCT GTTCCCCTCC CCAGCTTTAG AGAAACACAC
289851 AGTTTTACTC ACATTGAACC TATTTCTCGA ATGCAAGTGC CATCATCCTA
289901 GGCATGACAC AGAAGGTACA TTTAACAGCT TCACTGGGTG ACAAAGTTCT
289951 TAAGACCTGT GCTATTCTGA GTGTTGTCTT TTTGATTATA TTTTGTAAAT
290001 GAGAAATATAT GCATTAACATA GTTTTCTTAA GGCTCCAAGC CTGAGCTCCT
290051 GCCTGTATTT TGATTATGTG TGTTTTGTCT TTTTGTGTTT TCTTTGTGTT
290101 TGCTTTTTTTT GTTGATACTT TAAAAACAGT ATCTTTATGT CATCCTGTCC
290151 TTAGATGGAA ACTGAGAGAG GGAAAACCTA GGCATGCCAG CATCCAACAC
290201 TGTCTGGCTT AGATCAGAGA GGAAGAAAAT ATTCCTCTCA ACTTCAGCTT
290251 GCGAGTTTTT TGAAGTTAGC ATTTGTACTT TCCTTGATTG GCAAAAACCTG
290301 ATGGTAAAGA AACTATTACA CAGGAAGAAT TAAATATAAA AGCACCTGGT
290351 TCCAAAGCAT ATAGGAACAA TCCTAACTTT GCTGGAATGT AACACTTCAA
290401 AAACATTTTC AGTGGAACAT GGAGAGTTTA TAGAGGAGCT TAAAAATGGC
290451 TTAATAATTC AAATGAAAGT TGAGATGCTT GCAAGCTTGG ACTCAAACATA
290501 TTTTAATGCT GGGCCTTTAG GCAATAATTT CCTTTTGTGTT CATCTCATCC
290551 AATATAGAAA ATAATGGGGT GAGGCTTCCA TCCTACCAGC TGCAGTTTGT
290601 GGGCACCTTC AGGACTGAAG CTAAGGCAAG CAATTGCCAC TTAAACCTAG
290651 GACAGTGTCA GCAGCACCAG ATATTATGTG AATCAAGGAA ATGTTGAAGG
290701 ACTCTGTGAC AGAGCTTTAG AGATGAAACG AATAAAATTT GACCTGATTC
290751 CTCAATAAGG GTTCCTGCCA GAGTGAAAAA CTAAGCATTG GTATGAGTGC
290801 AGCAGCTGTT TGGTCTCGGT GCTGGTTTCA GCACAGGTTG CAACTGATGG
290851 GTGAAGCAGT AGTGATACAC TGCTCCCACT CATTGCTTTC ATCCCCTTGG
290901 TACATTTCCA GGAGNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
290951 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
291001 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
291051 NNNNNNNNNN NNNNNNNNNN NNNNNNNNAGA AAGAAATGCA GAATCTTAGG
291101 CCCTACTGCA GACCTCATTT TTAAACAAGT TCCCAGATG AGAAAATCAT
291151 ATCCAAACTG TCCGTCTCTC TCAGTATGTC TGACTTGCTC CACTCTGCAG
291201 ATTTCCATGT ATTCCCAACA GTCTGCTTCC AACTTAAGCC CATTTCTGCT
291251 TTTCTTCAGA TTCTTCACTG TCCTTCAGTC TAATTTTTC TCTATCTCTT
291301 TCTCCATAG AAAAAATCT AAGGTAGAAT GATGGGAAAG AAAGGAGGAA
291351 GAGGGGAAAG AGGGAAGTAA GGAAAGAAAA ATTGAAGGAA GGTGAAGAGG
291401 AAGAAGAGGT GGGGAAGGAG ATAGGGAAGG AGGGAGAAAA ACCTACTTCA
291451 GTTGTGCCAT AGTATCATTG GCGTTCTTGA GCTCTATTT AATCCCAAAC
291501 AAATACATAA ACACAAATAT ATCCCATTCA TTATTTCCAT TTTAAATGA
291551 AGCAGTTACT TTCATACAGA AGAGAATGTT AATTAGTGTG ATAATTTGGA
291601 GAGCAATTTG GCAACGTCG TTCAAATTTT TTAAGTGAAA ATTCTCTTTA
291651 ATTCAGCAAA TTTTCAATAT TATGCTATAT AAATACTTGT ATAAATGCAC
291701 AAAAACATAT ATCAAAGGTA TATACTTACA GAATTTTTTT AATAACAAAA
291751 AGCTATAAAT AGCCTAAAAG TATCAATAAG AGTTGTTTTG GAAAGTCAAC
291801 ATATATCTCT GCAAATGCAT ACTGTCTCTG CATTAATAAG AAGTGAGAAA
291851 GATCTGCACA CGCTTGTGTG GTGAGCTCTC TAGAGTATAT TGTAAACCGA
291901 GAAAAGGAAG ATAGCAGACA ATAGGCATAT ATGATCTCAT CCATATGTCA
291951 TTGTTTAGTA TGCGTGTGTA CATGTGTATA TATATATATA TATATTATATA
292001 AAACAGTTGA TAATTTATAA TATTTATATC CAATGGCATA TTCTATAGCC
292051 ATTACAAAAA CTATTTTGGT AGAAATTTGA ATAACCTAGG ACATTTCTGG
292101 TGATGTAATG CTAATTGAAC TAATGTAAGC AGGACATTAA TATCATTTTT
292151 TATTTTTGAC CCACCTTTCT TGAGCATTTT CCAATATGAT TAAATATTCC
292201 AAAAACATCA TTAATTTCTC TATAATATAA TATTGTACTC TTGGGTTTTT
292251 GGGTTGTTTT CAGTTTTATA ACTCATATAT AATGTTGACA TAAACTTTTT
292301 TTTACCTAAT GCTATTTTCA AATTTTCAAG TAAGATAAAT ATCTTGTAAAT
292351 TACTAGTTCA TAGATGTGAC CTTTTATTAT AATTACTAGT TCACAGGATT
292401 CTTACTTATT GCCAAATTGA TTTCCATACT CCACAAAGAT TTTTAAATATA
292451 ATCAATTTTT TCTAATGTGA CTTGTTATTA AAAGTCATTT ATTTAAACAAA
292501 CTTTACATT TGAAAGAAAA TACTTATTAA TGCCTACTGT GTGCTAAGCT
292551 CCCTTGGCAC TCACTAGGCA CATCATTACA AATAAGCATG ATTCCTACTT
292601 TACTACTCAA AGTGTGATAT TGGGCTGGTA TGGGAAAAAC AGACATTGAA
292651 ACACACAATT AACTGTGAT GCAGTTCAGG CTGTCATAGA ATTATGCCCA
292701 GAGTGCCATA GAGACTCAGC ATGCTTATAG TATGATTGTA ATAAATTAACC
292751 AAAAAGGGAC TACTTTGCTT TGAAATATTC AAATACTCTC CCACCTTCCA
292801 ACTAGAGTGG TGGTAACTTG GTGGTGGGTC TGTAGGGGAA ATATCTTCTC
292851 TTCTTACTCC TATCAGAGTT TACCTGACTG TGACAAGGAA GTAGAAAAGA
292901 AACTTGCCCT AATTTTTTGGT GTCAAAGTCT AGCACCATTT ATATCTACCT

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292951 TTCTTTTCACA CATGCAAAAA ATAAATCTCC TTCAAGGACA CATACATTCA
293001 TCCTGAATCT ATAAGTGAAC CTTACTTTCT AATACACTAT TCTTTATGGT
293051 GGCTTAGAAT ACAAAGATGG TTATCTAGCC TCTGAAAAA TTTTTTTTAA
293101 ATTTTCATAAA AACAAGTCTC CAAGTAAAAA AAACAATGCA GCCTCCAGAA
293151 ACAGCACTTT CTATTTTCTT AATATTTCTT GTCAAGAAAT TCTAAACTAA
293201 AATATTCTAA TTAATCTGAA CTGTATGAAA TTGCCCATAT TTGACTTGTT
293251 TTTAACCTGT AAAAATGGCA ATTCCATATA GCTCAACATA AAACCTGTGA
293301 TTTAATTCTT TTTTTTCTTC CCCAGGATTG CCCATATGTT AGATCTTATC
293351 AAAACTGTTT TACAACAAAT AATTTCTGCA GTACCTTCCC CAGATACAAA
293401 GAAAAATAAA GAAAAATTAA ATTATTAAAC CAGGTTTATG CTTGGTTGTC
293451 ACTTTCTAGT CAGATCATCA GTAAAAATAA ATTAGAATGT AGTAGTACCC
293501 AAATTAAAGA GAAATGGTTC TCCTGCTTAG TTAAGCAAAG AAAATTCTAG
293551 CCAATGCAGA ATTAGAAGTC AGGAGTAAAT GTGGACAAGG AGATCCAGCA
293601 AACTACCAAA CAACTGTGTA TTCATAATCT CCATCTCATG CAAGGCTGGT
293651 GTTCTCCTCT TAAGACATAG AACAGTAGAC TAATTAATAC TAACAATGTG
293701 TTAATAATCA AAACATTAT TAATGCAAA CTGTCCTCCA GAGATGGGGA
293751 AGAGGAGGGA GAGAGAGAGA GAAAGACAGC TGTAGCCTGA
293801 AATTGATGGT AACTCCTTCT ACAGTACCTT TACCAGATT AAACATAT
293851 TGTAATAAAG AAAGCTTAGT ATTTTCAGTAG AGGATGCTGT ATGGGAAACA
293901 ATGCCTCCCA GCTTAGAAAG CTGGCCTGAT CCTATAAGAA TGTCAGAATT
293951 CTATGTCAAT GCTAGTTCAT AAGGCAATCC CATTTACAAT AGCGAGACAA
294001 AAAATAAAAT ACCTGGGAAT ATATCTAACA GAGGAGGTGA AATATCTCTA
294051 CAGAGAGAAC TACAAAACAC TGCTAAGAAA TCATAGATGA CACAAACAAA
294101 TACAAAAACA TTCCATATTC ATGAATTGGG AGAATCAATA TTGTTAAAA
294151 GGCAATACTA CCCAAAGCAA TCTACAGATT CAATGCTATT GCTATCAAA
294201 GACCAACAGA ATTTTTCAC AAAATTAGGA AAAAATCTAT ATAAATTTCA
294251 CATTGAACTA AAAAAGAGCC CAAATAGCCA AAGCAATCCT AAGCAAAAAG
294301 AACAAAGCTG GAGGCATCAC ATTACCCGGC TTCAAATCTG ACTATAAGGC
294351 TACAGTAACC AAAACAGCAT GATACTGGTA CAAAAACAGA CACATAGACC
294401 AATGGAACAG AATAGAGAAC CCAGAAATAA GCCTCACACC TACAGCTGTC
294451 TAATTTTGA CAAAGTCTTC CAAAAATAAG CAATGGGGAA AGGACTCCCT
294501 ATTCAATAAA TGGTGTCTGG ATAGCTGGCT AGCCATAGGC AGAAGAATAA
294551 AACAGGATCC CTACCTTTTA CCATATATAA AAATTAACTA AAGATGGATT
294601 AAAGATTTAA ATGTAAGACC TCAAATGTA AGAATCTAG AAGAAAACCT
294651 AGGAAACACC ATTCTGGACA TCAGCCTTGG GAAATAATAT ATGAATAAGT
294701 TCTCAAAGC AATTTCAACA CAAGCAAAAA CTGGACAAGT GGAACCTAAT
294751 TAAATGAAAA AGCTTCTGCA CAGCCAAAGA AACTATCAAC AGAGTAAACA
294801 GACAACCTAC AGAATGGGAG AAAATATTTG CAACTATGT AATAAAGGTC
294851 TAGTATCCAG AATCTTTAAG GAGCTTAAAT AATTAAGCAA AAAACCAAAT
294901 AACCCCATTT AAAAAATGGG CAAGACATGG ACACCTCTGA AAAGAAGACA
294951 TACAAGTGGC CAAGAAACAT GAAAACATGC TCAACATCAC TAAATATCAG
295001 AGAAATGGAA ATCAAAACCA CAATGAGATA CCATCTCACA TCAGTCAGAA
295051 TGGCTATTAT CAAAAAATCA AAAAAACAACA GATGCTAGTG AGGCTGCAGA
295101 GAAAAGCTAA GGTTTATACA CTGTTGGTGG GAATGTAAAT TAGTTCAGCC
295151 ACTGTGGAAA GCAGCTTGGG GATTTCTTAA AGAATTTAAA ACAGGAATAC
295201 CATTTGACCT AGCAATCCCA TTACTGAGTA TATATCTAAA AGAAAAACAA
295251 GTGTTCAACC AAAAAGACAC ATGCACATGT ATGTTTCATCG CAGCACTATT
295301 CACAATAGCA AAGACATGGA ATCAACCTAG GTGCTCATCA GTGGGGGACT
295351 GGATAAAGAA AATGTGGTAA ATATACACCA TGGAATATGC TGCAGCCATA
295401 AAAAAGAATG TAATCATGTC CTTTGCAGCA ACATGGATGC AGCTGGAGAC
295451 CATTATTCTA AGCAAATTAT TGTAGGAACA GAAACCAGAT ACCACATGTT
295501 GTCACCTTATA GGCAATGAAG ACCACTAGAG GAGGGAGGAA GAGAAGGGGA
295551 AAGTGTGTA AAACGTGTA GTACTATGCT TGCTATCTGG GTGATCGGGC
295601 CATTATATC CCAAACCTCA GCATCACACA ATATACAGTA TACCATGTA
295651 ACAACCTGC ACATGTATGC ATGCCCCAA ATCTAAAATA AAGTTGCAAT
295701 TATATTTTAA AAAAGCTAGT TCATAGTTGT AACTACTTTC TAGAGTCTTG
295751 CTACTATAAA TGTAATCACT GCTCAACATC ACTAATCATC AGAGAAATGC
295801 AAACCAGAGC CTGTGTTTCT CGAACTCTAA TGTGTATATG AAGAACTTGG
295851 GGTCTCATTA AATGCAGATT GTGATTAGTA GGTCTGAGGA GGGGTGAGAG
295901 ATTCTGCATG TCTAAGCAGC TCACATGTGA TGCAATGCTG CTGGTGGGAT
295951 CACGTTTCCT TGAGGCTTCA GCAGAGCATC CTTGTGATGG CTTGGCTCC
296001 TCTTTTCTAA ATGTTCAGTC TGACCCTGTG GGTACATAC TGAGCACTGA
296051 TGAAGAGGCC CCCGCTCCCC TTCATTGTCC TTGCTCTCTC CTTGTTTGAA

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2961501	TCTTTCCTTC	TGTA AAATGG	GATTAACAAA	CCCATGTAGA	GAGTCCACTG
296151	AATGGCAGAA	CCTTAGACTT	TCCAGTTAGA	GGAAACTTTG	GAGATTATAT
296201	GATCTAACTT	GTTC CCTCT	CCCCTGCATC	ACATCTTATG	TCTGAAAGCC
296251	CATGCTGAG	ATCCTACTCA	CTGAGTGTGC	AGTTGTTATT	CTCATCTCAT
296301	TCCATCAGAC	CTAAGAAAGC	TTGGCAGAA	AAGGGCCTCT	TGCAAAATGTT
296351	TTCAAATACG	TGGAAGTAGC	TAGGACAAAC	AAACAAACCA	TTGCTCAAAA
296401	ATCACTCAGC	AAACCCACC	TTAAGCAGGA	ATTTTCTCTT	TTGCTCTCAG
296451	AAAGCAATTA	AAAAACTCAG	CATTTCTAGG	CAAAAAGCTT	TAGCAGTTCC
296501	CCTCTTGTTT	TTTCTACCA	CAGCAGGTGC	TAAAGCACAG	CTCAGTCTTG
296551	ATTCATCCCT	TCTGTCAAGA	GCAGGTGTCA	GCCTCAATTA	TTGTTTTGCA
296601	AATTCATTTT	AGTCATTTAA	TGCAATTTCT	GTAAAAAGAG	GTATCGATT
296651	CCCAATCTCA	GCTGTTTTTC	CTGAAGCCTA	TACTACCTTG	GCCTCTCTGG
296701	TCTCTTTCTA	TCTATCTCCA	TTCTAGCTGT	CTCCTTCCCC	CATCTTCTCT
296751	TCTTTCTGGA	ATGCATGTCA	CATTTCCGGC	CAGTGTCTTA	TAATAAAACC
296801	ATTTGTAGTT	GCCAAAGGAG	AGGCATAATA	AAGGCATTGT	ATGAATATGT
296851	TTGAATGAGA	AATTCGTGAA	AAATCAATTTT	TATTTATGGT	GAAACACTTA
296901	ACTTGATATG	AATATGATAT	AAATCAAATG	TAACATATGCC	TCTGGAGGCA
296951	CTATGAAAAA	GGGAGTGTTT	TAGTTTCATG	AAATTTGCTTT	TGTTCTGTGT
297001	ATATTGCTGT	AGCACCATTT	TTAAAGTCCT	CTTCTTAATG	AGTGCTCTCTA
297051	GCCAGTAAAT	TTACACACCT	ATGTGTGTGA	AGACAATTTA	TTGTGCAAAC
297101	CAAGGCACTT	TTGAGAGTAG	ATTGGGCAGC	CATTGGTTAT	TGTGCTTCTG
297151	TGTCAGGCAT	GCAC TGGGAC	TGTCTCAGTA	AACGGCTACA	CATGCCCATC
297201	CTAATTACAG	GCAGTTTGGG	ATGAAGGACT	CAGTGACAGT	GTGGTATTGG
297251	GAGGTGAATC	TGTTGAAGAT	AAAAAGCATG	AAACATAATT	AAACAGGCCAA
297301	GGAAAGCTTT	ATTGAGGAA	ACTGCAGCAG	GGAGAGATT	AATCTTGACT
297351	CTGGTTGCAG	CAGGGACAGC	TGGGGATTTA	TGGCCAATGG	GCATGGCGAA
297401	GGGGTCAGTG	GATAGGAAAT	TACTAAGAGA	ATTTGGTTAG	GTATTAAGGG
297451	TCGGGGGATT	CTTGCTGAGC	TGGGCTCTGC	CGGCCAGGAC	CAGGCCTAGT
297501	CAAGAAGAGG	CCTCAGAGGA	ACATGATTAA	GGTTTGGTCA	AGGAAAGAGT
297551	CCTTGTTGAA	ACTCACCAAA	TGAAATGCAG	ATTTTAAAAA	TCACTCTTAA
297601	CTAAGGAAGC	TGAATAGTTT	CCGACTCATG	GGAACCTATC	CTTGCTCTGA
297651	GAAATTTCTT	CAACTTTATG	CTCTATTTTC	TGCTTTGTGA	TTTTTAAAAA
297701	ATTGTCCTTT	GTAAATCTAG	TTATTCTAGT	TATGCTTGGT	AAAGAAATCT
297751	ATTTTATCTT	CTGATCTTTG	CTTCTACTTC	AGTAAAGCTG	TGGTGAAATT
297801	GACTCTTCAA	AAATGAAAAA	AAGTGTGGCT	TGAATTGATA	AAGGAAGCAC
297851	AATTTGTAAT	CATTCAGGAA	GGACTTCATC	AAGTGGGCTA	TGTTTCATGG
297901	CACATTGTTT	AGTGAGGCTT	AGAGAACAGA	AGGGAAGACA	AGGGGCTTAT
297951	TTTTATGGTT	TGTACACATG	TCCATCACAG	TGGAGGCTCA	TGAAGGTAT
298001	CTGCTTCCCC	CGATAGCCCA	GTGCTCACTA	CTAGACAAC	CCTTCCCCCT
298051	CTGAGCATTG	GTTTTCTTGT	CCATAAAATG	AAGGTGTTCT	ATTAGGTGAG
298101	CTCCTTGGTA	CCTTACAGGG	ATTTAAAAAA	ATTCGTGAAT	TCTGATTTTT
298151	AAAATTACTC	TGTCCTCTCT	TGGATTGTGC	TCCAATATTA	TAAAAATATCC
298201	TCTTGAGGCC	ATTTCAAAGC	ATTGAATATG	AGCAATTGGT	AATCAATCTG
298251	AAAATTATGA	CTTAAATGTA	AACCTGTGTC	TGAAAGGCTC	AGTATATTTT
298301	GTGGTTTATG	ATACAACACA	TCCAAGGAGA	TGTATGCAAG	AATGTTCCAG
298351	CAGATTTATT	AATAAAAAGC	TGTGTGTTGG	GGGAGGGGGA	TCAGCAGAGG
298401	AATAGCAACA	ACCTGAAATG	TACTTCAGCA	GGAGATGAA	TACAGAAATA
298451	ATGATGGAAT	GACTTCACAG	GAAAGTCAG	TATAGAATCA	AAGGGCATAA
298501	ATTTCAACAA	TTTTGAGCAA	AAACAAGAAA	TAACCTATAC	CATTTACTTA
298551	AAGTGTAAAG	ACATACAAAA	CAGTACTACT	ACTCAATTCT	AAGGGGTACA
298601	TACTTGTGTA	TATATAGTAA	AAGTATTTTT	TTAATTCTTG	GTGGTGATAA
298651	ACACCAGGCT	CAGAATAGAG	GTTCCTCTCT	CGGGTGGGAA	GGGAGTATGA
298701	TTTGGGAGGG	GAATTCATGG	AGCTTCAGCT	GTATTGTCTA	ATGTTTTATT
298751	TCTTAAACTG	GGAGTTAGAT	ATATATGTAT	TCACTGTATT	ATACTTTTAA
298801	TCTTTTCTAT	TGTCCTTAAA	TATAACAAAC	TTATGATAAA	GGTGGGATAA
298851	TCATAAAAAG	AGATTGCATA	CAATTTGTTG	CAAAATAGGA	ACAGTCACCA
298901	TAATTTAGTG	GTAGCAAAGC	TAATGTGAAT	TTGAAATCTT	CTTACTACCT
298951	GTCCTGCAAT	TACAATGTAC	AAACATCAAA	AAACAAAACA	AAACTTCCAG
299001	TGTACACACT	GGTGAAAGAA	CCACTAGTCA	GATACCAGTC	TCGAGTTGTT
299051	ACTACTTAAT	TGCTATTGTT	ATTTATTTAA	AAATTTATAT	GTGTGAGAAA
299101	AGTGTTTATG	AAAACATACA	GTTAGCTAAA	AAGTTGTGAT	TGGATGCCAG
299151	ATTGATAAAT	GAGCAGTTTA	CTCTGCAAT	AAGTGCAAAC	TCAGCTATGA
299201	GCTTTACAGT	GGCTTAGACA	ACAAGAGAAA	CACTGCTACT	AGTTTCTTAG

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299251 TAGACAACCT TATGATAAAG TTGGAATTGT CATGAAAAGA CATTGCACAC
299301 ATTTGTTTGT TTGTAGATTA GAAACAGAAG CTCTAATCTA CAACTCTCAG
299351 TAGGAGAGCT GGATTTTTCT TGGCTCTAAA TTTTGGGGAA GAATTAATCA
299401 CAAGAATCCT TATGTAATGG GTACTGAGGC ATTTTGAGTG GTGCTTCTGT
299451 TGATTTGCTC TTGGCTGCAG CTCCTTGCTA TTCATCCATT TCACACAGCA
299501 CCCAGAGTGA TCGTGCTGTA ACAGAATTCA AATCATATCA ACCCTCCAGA
299551 GGCTTCCCAT TGCACCCATG GCAAAGTCAA GCCCCCTTAC CTGACCTCCA
299601 GGCTCCCTGC TCCTGCCTGA CCATCTCACC TTGTCTCTTA CCATTCTTCT
299651 CCTCTTAATT AGGCTCCACC CACCACAGTT GGTGACTCTT CTTCAGAGCT
299701 TATGAGAGCT GGGCATATCC TCTTCTCTCA TTTAGGAATG CCCTTCTCCC
299751 AAGTCTTGGC TTGTATGACT CATCTTTATG ATTCAAGTTT CCATTCAAAT
299801 GACATTCTCG GTCCCACCCC TCAAAGAGGC TTTTCTTAAT GAGCAAAAGT
299851 AGCCTCACCA CCACCACCTA TACTATCCCT AAACCCAAGG CAAGAGGGGT
299901 GCTCTGGGCC CTGTGCTGTA GAGGGGTACC CTCCAGCCAC ATCCCTTCCC
299951 ATGAAGCAGC AAGTCCATGG AGCAAAGGGG ACTTACACAC CCAGAGCTTG
300001 CGTCTCCTCT GCTAGGTCAT GCTCTGTGCT GTGGCTTGAA TGTGACCCCT
300051 TCAAAATTCa TATGGAACT TAATCTTCAT TGAGGTAGTA TTAAGAGATG
300101 AGATTTTGGG AAAGTGATTA AGTCATGAGG GCAGAGCCCT CAGGAATGGA
300151 TTAATACCTT TACAAAAGAG GTCTCAGAGA GATAATTGCC CCCTTTTGCC
300201 CGTCTAAGCT TTCTTCCCCT CCAGAGGACA CAGCAAAAAA GTGCCATCTT
300251 GGAAGCAGAG GGAGCAGCTC CCACCAGACA GCAAATCTGC TAGCACCTTG
300301 ACCTGGACCT TGGACTTCCC AGCCTCCAGA ACTCTGAGAA ATAAATTTCTA
300351 ATATTTATAA ATTACCTCTT CCATAGTATT TAAGCAGCAC AAGCAAACCTA
300401 AGATGCCCTG CTTACCTGGG ATTCCACAAG TCTCTGCCCC GATGGCCCCA
300451 AGCCCATTTT TACAGTCTGT GAGCCTCTGC CTTGGTTCCC TTTGTCTGTA
300501 TTGTCAAGTT GCAGACCCCT GGAAGCCCA AGGGTGGTCA CACAGTGGCT
300551 GTTTCAGAA GGTATGGATA AATATTAGAC ATAAGGGCTG CAGTATCATA
300601 TGTGTACAAG AACTTCCCTT CAATGGGAGT TGGAGCCAGG CTGAGAAGAG
300651 ACGGGCACAG GCCAGGAGAC AGGGATCAGG GACCCAAGGG CTGGCTTGCA
300701 CAGCCCTTCC ACATCCCAGT GCAGAACTCT GAGGAGTCTG AGAATCCTGA
300751 GTGCAAACTT GTTCTTCCAG GTGTTTGAAA AGTTGATTTG TCAAGCTAAG
300801 AGGGTAGATC ATATTTTATT AAACAGTTTG TTAGCTTGAT TCACACTCTT
300851 TATTTATACA TATGTGGATC TCCATTTATA CTCTTGCCGC CTCTCAGAAA
300901 CGTTAGCAGC AGGCCTGGCT TCCTCTGCAT TTGAGTCACT CCAGAAGATG
300951 GTGGTTCAAA TTCCAGGGCC TGGTGGTTAA AAAAAAAAAA AAAAAAGGG
301001 GCGGGGTCTG TGCCAAATCT CTTTTCTGAC ACCCACCTTC TTGGGGATTG
301051 CAGACTTTCT TCTCAAAGTC CTGTTCTCTA CTCTCTCTCC TATTTCCCTG
301101 TTTTATTTT GTAGCACTGA AAAAAATCTA AAATTACCTT ATTTGTTTAC
301151 TTGTTTAATA TGAGGTCTGT GAGGTCAGAG GCTTGTGGCT ACATCTGCAG
301201 CATGTGGCAC ATAATAAGTG CTCATTAAAA ATGTGCTTAT AGCCAAGCAT
301251 GGTGCCTCAT GCCTGTACTT CTAGTGATTT GGGGGGCCAG CATGAGAAGA
301301 CTGCTTGAGG CTAGGAGTTT GAGACCAGCC TGGGAAACAT AGCAAGACAC
301351 CCTGTCTCT ACAGAATTTT TTTTAAATG AGCTGGGTTG TGGTGGTGTA
301401 TTTCTGTAGT CCCAGCTATT CTACAGACTG AGGTGGGAGG ATCACTTAAG
301451 CCTGGGAGGT CGAGGTTGCA GCTATGATTG CACCACTGCA CTCCAGCCAG
301501 GGTGACAGAG CAAGACCTTG TTTCTAAAAA TAATATAAAT AAATAAATAA
301551 ATAAATAATT GCTGAATGTG TCATGACAGG AATATTGTTT TAAAAAATT
301601 GCTAAATGAA TGAATTAGGT GCTATTTTGT GCCAGGACTA TGCAGGGTAC
301651 AAAGATAACT CAGAAAGGTC CTCTGCCTTC AAGGGTCGCC AAGCCTAGTT
301701 GGGGAGCAAT CTTGAAAACA ACAGTCTTCT GCCTTTAGTT TTACACTTCT
301751 GACATCATTA ATGAATCTGG AAACAAAAAT ATATATGTAG CCATTATTGT
301801 AGCACTTCCG GGCAGACAAA CAATTTGCAA GGTAAATAAG CTGCAGGGAA
301851 AGGGAAACAT ACTTCTGTG AGTTTCTCTA AAGGTTTAGG GATAAGAGAG
301901 CTTTAAACT TGATGACCCA TCAGAATGGT GGAAAGTGCT TTTTCTCCCT
301951 CTCCCTGAAG ATAAATTGCT TGTTTTCTA GGAGTGGGGG AACATGTTAA
302001 ACGTTTCTG CTGTTAAGCT AAAATACTGT TTAGAACAGG AGGCTAAAAAT
302051 CTCCTTAGCT GCTGCTGTCT GCCTTATTTA ACTTACATGG CAGACGGTGG
302101 CATCTGCTGA ACAACACTGT GTTGGCTGCT TATCTCCTCC AAGGAGTTGA
302151 GGGACTCTGG AGTCGTCCTC AGAGGACTCC ATGGGCAGCA GGGCAGCTGG
302201 GGCTTCCAGC AGCTCTGGGC AGACTTCATT TTCACTCCAG ATGGCCTGGG
302251 TGTGCAAAGT GTGAAAGAAG ACAGGCAGAA AACTGTCCC TTCTGCATAG
302301 AATCCCTTTT TAAAAATTAA TTAAGGCTTG TGTCTAGTCA CCCAGAAATA
302351 TAAGAGGTCA TTTTATCTA AAGATGATTG TGCAGGCCCC ATAAAGCCAA

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302401 TGCATTGAA ATAATGATGA ATATATCATA AGAAATACTG AAAACTGTAC
302451 TTGTTTGGAG TTTTATCTTG AAAACAGCA GCTAAAAACC ATAAAAAGTGA
302501 TTTTAGAGTT TATAAAATTA GGCTATAACT TTACTATGTG CTAATTCTTA
302551 GAATACTAGG GATGCATATA TTTTAAATA AAATTGTATG ACATCACCAT
302601 ATTCCTTCCT ATTTGACTTT CAAGACATCT ACTCATTCTT CCAACAAATA
302651 TTTATTGATG AATTACTATG CACCAAGCAC TGTTCTAGGC AGTGGGATCA
302701 GTCAAAAAAA AAAAAAGAAA ATATTTTCG TGTTTCATG GACCTTATAT
302751 TCTAATGGGT GATAAATCAT AAAATATTAG GGAAAAGCAG ATCATGCTGG
302801 AAAGTAGCAA ATACTAAGAA GAAAATACAA AAGCAGAGAT GGTGAATAAG
302851 TAGTACAGAA TATTGGTAAA GACTACAGTT TAAAGAGGGT GGTCAGAATA
302901 TGTCTCTCTG AGAAGATGAC ATGAGGGAAA AGATTGAGG GTGATGAGGA
302951 GAGAAACATA TGAATATCCA GAGAAAGAGC ATTCTAGTTA GAGGGAACAT
303001 CAAGTGCAAA TGTCCTGGAG CAGGATGTGC CTAATGCGTT CAAAGAAGAG
303051 CAAGGAGCCA GTGCAGCCGG AATGGAGGGA GTGAGGGGAG GAAGGTAGGC
303101 AATCTGGAGA GATATGATTG GATATTGTAT ACCACTGGAA AGACCTTTAC
303151 TCTGAGATGA AGAGTCCAAT AGAGTTTGA GCAGGGAAGT GAAAGTAGGC
303201 TTACCGTGGC TGCTGAGCTG ACAATAGACT GTAGAGTAGT GAGGGTAGAA
303251 GCAGGAAACG AATCGAGTGG CTCCTGAAAG AATCAGGTGG GAGACAGAGT
303301 AGTAGTGGAA ATGGTGAGAA GTGTTGGGAT CCTAGTTACA TTTTAAAAAT
303351 GGAGCTGATA GGGCTTACTA ATTGATCTGA TTATGAAAGG AACTGGACTA
303401 CTAGAAATGTG AGAGAAAGAG AGGAATCAAA GATAACTCAG GTTTTGGACC
303451 TGAAAGGAA CTGAGATAAA CAGAAATGGG GAAGACTGAA TAGTATTAAG
303501 ATATTTTAGA GGAAGAGCA GGAATTTGAC AGGGCACAAT AATCTAAGA
303551 TTATTACCTA CTAGACATCC ACACAGAAGT GTCAAGTAGG TAGCTGAATA
303601 CATGAGTCTG GAGTTTAGGA GAGAAGTGAC AAGTGCATAT TTGAGAACCA
303651 ACAGTTTAAG GGAGGATTTA AAGTCATGAA ACTAGATGAC CCACCTTGGG
303701 AGAGAAATGTG GATAGAGGAC AGAAGAAGTC TAGGGATCAG GGAGATATGG
303751 AGGAACAAGC ATAGTCAAAT CAGAGAAGAT CATTTTGGGG AAAATATTGG
303801 AGGACCTTGT TAAGTTTCTT GGAGTCTTCT TCCAATTTCC TAAATTTTAA
303851 ATCATCCTAT TTGAAGAGTC TGTCATCATT GTTACTGATT TTTCAGTTTT
303901 TTGGTGATTG ACCTAATGCT CAGATCCTTT CTTATCAATG ACAGCACAAG
303951 ATTCCAACAT GGTTTTCTTC ACATAGTCCA TTTTGTGTTG CTGTAACAGA
304001 ACACCACAAT CTGAGTAATT TATAAAGAAA ATAAATTTGT TTCTCACAGT
304051 TCTGGAGGCT GGAAGTCAA ATATCAAGGT GCCAGCATCT GGTAAGGGCC
304101 ATCTTGCTAC ATCATCCCAT GGCAGAAGTC GGAAGGGCAA GAGAGAGGGG
304151 AAAAGAGAGA AGGAAGGGGG GGGGGCAAAA TCATCCTTTT ATCAGGAACC
304201 CACTCCTACA ATAACAAACC ACTCCCATAA TAACAGCATT AATCCATTCA
304251 TAAGGCAGAG CCTCAAGAC CAAATTACTT CTTACAGGTC CCACCTCTTA
304301 ACACGTCTGC AATGGGAATT AAGTTTCCAA CACATGAACC TTGGGGGACA
304351 CATTCAATGA CTATGTGACA TCCTGCATCT GCAAGTTTGT CAGTGCCATT
304401 TTAATGAAGT CAGTTTACTT TGCAGTTGCA CTTTGTGTTT ACCCTGTCAC
304451 AGCTCACCGG TAACAGAACT CTTAGTGTGA TGGACAGAGA TAGAAACTAG
304501 CATTCAAGCA AGAGGCAGTT TTCAGGGTGG ACTAATTTTA TACACAACCA
304551 TTTATCAGTA GATATTTTAA AGTTCTGATG CTTTAAAAAT CCTGTGTAAT
304601 TTGGGGGCTT GAGTAATGAA TATTAGATGA TAATGACCTT CCGGGTATCC
304651 ATTAACCAAT TAGCAATGTC TCCAGTTTGT TAAGAATTAA TAGATATTAA
304701 AAATCAGAAG GAGGCGAGCC AAGATGGCCG AATAGGAACA GCTCTGGTCT
304751 ACACCTCCCA GCGTGAGCGA CGCAGAATAC GGGTGATTTC TGCATTTCCA
304801 TCTGAGGTAC CAGGTTTATC TCACTAGGGA GTGCCAGACA GTGGGCGCAG
304851 GACAGTGGGT GCAGCGCACC GTGCGTGAGC CGAAGCAGGG CGAGCAAGGC
304901 ATTGCCTCAC TCGGGAAGCG CAAGGGGTCA GGGAGTTCCC TTTCCTAGTC
304951 AAAGAAAGGG GTGACAGACG GCACCTGGAA AATCGGGTCA CTCCCACCCT
305001 AATACTGCGC TTTTCCGACG GGCTTAAAAA ACGGTGCACT AGGAGATTAT
305051 ATCCCAACAAC TGCTCGGAG GGTCTTACAA CCACAGAGTC TCGCTGATTG
305101 CTAGCACAGC GGTCTGAGAT CAACTGCAA GCGGCGAGCG AGGCTGGGGG
305151 AGGGGCGCCT GCCATTGCCC AGGCTTGCTT AGGTAAACAA AGCAGCCGGG
305201 AAGCTTGAGC TGGGTGGAGC CCACCACAGC TCAAGGAGGC CTGCCTGCCT
305251 CTGTAGGCTC CACCTCTGGG GGCAGGGCAC AGACAAACAA AAAGACAGCA
305301 GTAACCTCTG CAGAATTAAA CGTCCCGTTC TGACAGCTTT GAAGAGAGCA
305351 GTGGTTCTCC CAGCATGCAG CTGGAGATCT GAGAACGGGC AGACTGCCTC
305401 CTCAAGTGGG TCCAGACCC CTGACCCCTG AGCAACCTAA CTGGGAGGCA
305451 CCCCCAGTA GGGGCACACT GACACCTCAC ATGGCCAGGT ACTCCTCTGA
305501 GACAAAACCT CCAGAGGAAC GATCAGACAG CAGCATTCGT GGTTCACGAA

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305551 AATCCGCTGT TCTGCAGCCA CCGCTGCTGT TACCCAGGCA AACAGGGTCT
305601 GGAGTGGACC TCTAGCAAAC TCCAACAGAC CTGCAGCTGA GGGTCCTGTC
305651 TGTTAGAAGG AAAACTAACA AACAGAAAGG ACATCCACAC CAAAAACCCA
305701 TCTGTACATC ACCATCATCA AAGACCAAAA GTAGATAAAA CCACAAAGAT
305751 GGGGAAAAAA CAGAGCAGAA AAAGTGGAAA CTCTAAAAAA CAGAGCGCCT
305801 CTCCTCCTCC AAAGGAACGC AGTTCCTCAC CAGCAACGGA ACAAAGCTGG
305851 ATGGAGAATG ACTTTGACGA GCTGAGAGAA GAAGGCTTCA GATGATCAAA
305901 ATACTCCGAG CTACAGGAGG AAATTCAAAC CAAAGGCAAA GAAGTTGAAA
305951 ACTTTGAAAA AAATTTAGAC GAATGTATAA CTAGAATAAC CAATACAGAG
306001 AAGTGCTTAA AGGAGCTGAT GGAGCTGAAA GCCAAGGCTC GAGAACTGCG
306051 TGAAGAATGC AGAAGCCTCA GGAGCCGATG CAATCGACTG GAAGAAAGGG
306101 TATCAGTGAT GGAAGACTAA ATGAATGAAA CGAAGCGAGA AGGGAAGTTT
306151 AGAGAAAAAA GAATAAAAAA AAATGAACAA AGCCTCCAAG AAATATGGGA
306201 CTATGTGAAA AGACCAAAATC TACGTCTGAT TGGTGTACCT GAAAGTGACG
306251 GGGAGAATGG AACCAGTTTG GAAAACACTC TGCAGGATAT TATCCAAGAG
306301 AACTTCCCCA ATCTAGCAAG GCAGGCCAAC CTTCAGATTC AGGAAATACA
306351 GAGAACACCA CAAAGATACT CCTCAAGAAG AGCAACTCCA AGACACATAA
306401 TTGTCTAGAT CACCAAAGTT GAAATGAAGG AAAAAATGTT AAGGGCAGCC
306451 AGAGAGAAAG GTCGGGTAC CCACAAAGGG AAGCCCATCA GACTACCAGC
306501 GGATCTCTCG GCAGAACTC TACAAGCCAG AAGAGAGTGG GGGCCAATAT
306551 TCAACATTCT TAAAGAAAAG AATTTTCAAC CCAGAATTTT ATATCCAGCC
306601 AAACCAAGCT TCATAAGTGG AGGAGAAATA AAATACTTTA CAGACAAGCA
306651 AATGCTGAGA GATTTTGTCA CCACCAGGCC TGCCCTAAAA GAGCTCCTGA
306701 AGGAAGCACT AAACATGGAA AGGAACAACC GGTACCAGCC ACTGCAAAAT
306751 CATGCCAAAA TGTAAGAGCC ATCGAGGCTA GGAAGAAACT GCATCAACTA
306801 ACGAGCAAAA TCACCAGCTA ACATCATAAT GACAGGATCA AATTCACACA
306851 TAACAATATT AACTTTAAAT GTAAATGGAC TAAATGCTCC AATTAAAAGA
306901 CACAGACTGG CAAATTGGAT AAAGAGTCAA GACCCATCAG TGTGCTGTAT
306951 TCAGGAAACC CATCTCATGT GCTGAGACAC ACATAGGCTC AAAATAAAAG
307001 GATGGAGGAA GACTCTAGCA GCAAATGGAG AACAAAAGAA GGCAGGGGTT
307051 GCAATCCTAG TCTCTGATAA AACAGACTTT AAACCAACAA AGATCAAAAG
307101 AGACCAAGAA GGCCATTACA TAATGGTAAA GGGATCAATT CAACAAGAAA
307151 AGCTAACTAT CCTAAATGTA TATGCATCCA ATACAGGAGC ACCCAGATTC
307201 ATAAAGCAAG TCCTGAGTGA CCTACAGAGA GACTTAGACT CCCACACAAT
307251 AATAATGGGA GACTTTAACA CCCCCTGTC AACATTAGAC AGATCAATGA
307301 GACAGAAAGT TAACAAGGAT ATCCAGGAAT TGAAGTACAG TCTGCACCAA
307351 GTGGACCTAA TAGACATCTA CAGAACTCTC CATCCCAAAT CAACAGAATA
307401 TACATTTTTT TACGACCCAC ACCACACCTA TTCCAAAATT GACCACATAG
307451 TTGGAAGTAA AGCTCTCCTC AGCAAATGTA AAAGAACAGA AATTATAACA
307501 ACTGTCTCTC AGACCACAGT GCAATCAAAC TAGATCTCAG CATTAGAAA
307551 CCACTCAAAA ACTGCTCAAC TACATGGAAA CTGAACAACC TGCTCCTGAA
307601 TGACTACTGG GTACATAATG AAATGAAGGC AGAAATAAAG ATGTTCTTTG
307651 AAACCAATGA GAACAAAGAC ACAACATACC AGAATCTCTG GGACACATTC
307701 AAAGCAGTGT GTAGAGGGA AATTATAGCA CTAAATGCC ACAGAGAAAA
307751 GCAGGAAAGA TCCAAAATTG ACACCCTAAC ATCACAATTA AAAGAACTAG
307801 AAAAGCAAGA GCAAACACAT TCAAAAGCTA GCAGAAGGCA AGAAATAACT
307851 AAAATCAGAG CAGAACTGAA GGAAATAGAG ACACAAAAAA CCCTTCAAAA
307901 AATTAATGAA TCCAGGAGCT GGTTTTTTTG AAAGGATCAA CAAAATTGAT
307951 AGACCGCTAG CAAGATTAAT AAAGAAAAAA AGGGAGAAGA ATCAAATAGA
308001 CACAATACAA AATGATAAAG GGGATATCAC CACTGATCCC ACAGAAATAC
308051 AAATTACCAT CAGAGAATAC TACAAACACC TCTACGCAAA TAACTAGAA
308101 AATCTAGAAG AAATGGATAA ATTCCTTGAC CCATACACCT TCCAAGACT
308151 AAACCAGGAA GAAGTTCAAT CTCTGAATAG ACCAATAACA GGATCTGAAA
308201 TTGTGGCAAT AATCAATAAC TTACCAACCA AAAAGAGTCC GGGACCAGAT
308251 GGATTACAG CCGAATTCTA CCAGAGGTAC AAGGAGGAAC TGGTGCCATT
308301 CCTTCTGAAA CTATTCCAAT CAATAGAAAA AGAGGGAATC CTCCCTAACT
308351 CATTTTATGA GGCAGCATC ATCCTGATAC CAAAGCCTGG CAGAGACACA
308401 ACCAAAAAAG AGAATTTAAG ACCAATATCC TTGATGAACA TTGATGCAAA
308451 AATCCTCAAT AAAATACTGG CAAACCAAAT CCAGCAGCAC ATCAAAAAGC
308501 TTATCCACCA TGATCAAGTG GGCTCATCCC TGGGATGCAA GGCTGGTTCA
308551 ATATATGCAA ATCAATAAAT GTAATCCAGC ATATAAATGG AACCAAAGAC
308601 AAAAACCACA TGATTATCTC AATAGATGCA GAAAAGGCTT TTGACAAAAT
308651 TCAACAACCT TCATGCTAAA AACTCTCAAT AAATTAGGTA TTGATGGGAC

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308701 ATATCTCAAA ATAATAAGAG CTATCTATGA CAAACTCACA GCCAATATCA
308751 TACTGAATGG GCAAAAACCTG GAAGCATTCC CTTTGAAAAC TGGCACAAGC
308801 CAGGGATGCC CTCTCTCACC ACTCCTATTC AACATAGTGT TGGACGTTCT
308851 GGCCAGGGCA ATTAGGCAGC AGAAGGAAAT AAAGGGTATT CAATTAGGAA
308901 AAGAAGAAGT CAAATTGTCC CTGTTTGACG ATGACATGAT TGTATATCTA
308951 GAAAACCCCA CTGTCTCAGC CCAAAATCTC CTTAAGCTGA TAAGCAACTT
309001 CAGCAAAGTC TCAGGATAGA AAATCAATGT GCAAAAATCA CAAGCATTCT
309051 TATACATCAA TAACAGACAA ACAGAGAGCC AAATCATGAG TGAACCTCCA
309101 TTCACAATTG CTTCAAAGAG AATAAAATAC CTAGGAATCC AACTTACAAG
309151 GGATGTGAAG GACCTCTTCA AGGAGAACTA CAAACCACTG CTCAATGAAA
309201 TAAAAGAGGA TCAAAAGAAA TGGAGAACA TTCCATGCTC ATGGGTAGGA
309251 AGAATCAATA TACTGAAAAC GGCCATGCTG CCCAAGGCAA TTTATAGATT
309301 CAATGCCATC CCCATCAAGC TACCAATGAC TTTCTTCACA GAATTGGAAA
309351 AAACACTTTT AAAGTTCATA TGGAAACAAA AAAGAGCCCG CATCACCAGG
309401 TCAATCCTAA GCCAAAAGAA CAAAGCTGGA GGCAATCACG TACCTGACTT
309451 CAACTATAC TACAAGGTTA CAGTAACCAA AACAGCATGG TACTGGTACC
309501 AAACAGAGAT ATAGATCAAT GGAACAGAAC AGAGCCCTCA GAAATAACGC
309551 CGCATTTCTA CAACTATCTG ATCTTTGACA AACCTGAGAA AAACAAGCAA
309601 TGGAGAAAGA ATTCCCTATT TCATAAATGG TGCTGGGAAA ACTGGCTAGC
309651 CATATATAGA AAGCCGAAAC TGGATCCCTT CCTTACACCT TATACAAAAA
309701 TTAATTCAAG ATGGTTTAAA GACTTAAACA TTAGACCTGA AACCATAAAA
309751 ACCCTAGAAG AAAACCTAGG TATTACCATT CAGGACATAG GCGTGGGCAA
309801 GGACTTCATG TCTAAAACAC CAAAAGCAAT GGCAACAAAA GCCAAAATTG
309851 ACAATGGGA TCTCATTTAA CTAAAGAGCT TCTGCACAGC AAAAGAAACT
309901 ACTATCAGAG TGAACAGGCA ACCTACAAAA TAGGAGAAAA TTTTCGCAAC
309951 TTAATCATTT GACAAAGGGC TAATATCCAG AATCTACAAT GAACTCAAAC
310001 AAATTTACAA GAAAAAACA ACCGCATCAA AAAGTGGGTG AAGGACATGA
310051 ACAGACACTT CTCAAAAGAA GACATTTATG CAGCCAAAAG ACACATGTAA
310101 AAATGCTCAT CATCACTGGC CATCAGAGAA ATGCAAAATCA AAACCACAAT
310151 GAGATACCAT CTCACACCGA TTAGAATGGC AATCATTTAA AAGTCAGGAA
310201 ACAACAGGTG CTGGAGAGGA TGTGGAGAAA TAGGAACACT TTTACACTGT
310251 TGGTGGGACT GTAAACTAGT TCAACCATTG TGGAAAGTCAG TGTGGCAATT
310301 CCTCAGGCAT CTAGAACTAG AAATACCATT TGACCCAGCC ATCCCATTAC
310351 TGGGTATATA CCCAAAGGAC TATAAATCAT GCTGCTATAA AGACACATGC
310401 ACACGTATGT TTATTGTGGC ACTATTCACA ATAGCAAAGA CTTGGAACCC
310451 ACTCAAATGT CCAACAATGA TAGACTGGAT TAAGAAAATG TGGCACATAT
310501 ACACCATGGA ATACTATGCA GCCATAAAAA ATGATGAGTT CATGTCCTTT
310551 GTAGGGACAT GGTGTGAATT GGAATCATC ATTCTCAGTA AACTATCGCA
310601 ACGACAAAAC ACCAAACACC GCATGTTCTC ACTCATAGGT GGGAAATTGAA
310651 CAATGAGAAC ACATGGACAC AGGAAGGGGA ACATCACACT CTGGGGACTG
310701 TTGTGGGGTG GGGGGAGTGG GGAGGGATAG CATTAGGAGC TATACCTAAT
310751 GCTAAATGAC GAGTTAATGG GTGCAGCACA CCAGCATGGC ACATGTATAC
310801 ATATGTAAC TAACTGCACA TTGTGCACAT GTACCCTAAA ACTTAAAGTA
310851 TAATAATAAT AAAATTTAAA ATAATAAATA AATAAAAAATA AATAAAAAATA
310901 AAAATCAGCT TAGAAATTGT TCCAGAAGTT AATGTCTTCA TTTATAAAGG
310951 AAGACAGTGA CTGGCCTACA GAACTGAGTG ACTAGACTGC ACAGCTAGCT
311001 AGGAGCAAAG CCTGAATGAG AATCAATCTG AACCCCCCTT CCATGTAGTG
311051 CCATTTAGTG GTTAAGATAC TTAACATCTG TGCCTCAGTT TCTTCAACTG
311101 TGAACAGGA GTTATATCGC ATACCTCATA TGATTGTGTA AATTAACACAT
311151 TAAAAAATAG ATATCAAGTG CTTGGCATAA ATTTTTTTTC TTTTTTTGTG
311201 AAACGGAGTC TTGCTCTGTC ACCCAGGCTG GAGGGCAGTG GCGTGATCTC
311251 AGGTCACTGC AGTGGCACGA TCTTGGCTCA CTGCAGCCTC CACCTCCTGG
311301 GTTCAAGCAA TTTTCTTGCC TCAGCCTCCC GAGTAGCTGG GACTACAGGC
311351 ACACGCCGCC ATGCCCGGCT TATTTTGTGA TTTTGTAGTAG AGACGGGGTT
311401 TCACCATATT GGCCAGGATG GTCTTGATCT CCTGCCCTCG TGATCCACTG
311451 GCTTCGGCCT CCCAAAGTGT TGGGATTACA GGCAATGAGC ACGGCCCCCA
311501 GCTGGTTTTT TTTTTTTTTT TTTTTTTTTT AATACTAAGT CTGGCAAGGA
311551 TATGGAGCAA CTAAGACTGT CATACACTGC TGGTGGGAAT GCAAAATGGA
311601 ACATCTGCTT TGGAAAACAG TTGAGTGGTT TCTTCACACT TGATCTTCAC
311651 CAAACGGCTG AGAAGCAATA AGCAGTTTCT TATAAAGTTA AATATACACT
311701 TACCATACAA CCCAGAAATT CCACTCCTAG GTATTTATCC AAGTCAAGTG
311751 AAAATATATG TCCACACAAA AACCTACATA TGAATACATA TAGCAACTTT
311801 ATTCACAATC TTCAAAAACCT AGGAACAACC CAAATATTGG TCAGCTATGA

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311851	ATGGATAAAC	CAACTGCAGC	ACATCCGTAC	AGTGAAACAC	TGATCAGCAA
311901	TAAAAGGAAC	AAATTATAAT	ACACACAGCA	GTTTAGATGA	ATCTCAAAGA
311951	TGCTATGTTA	ATTGAAAGGC	ACCAGTTCCT	TAAAAGCTGC	ATTCTGAATG
312001	ATTCCATTCA	TATGACATTC	TGGAAAAGGC	AAAACCTGAAG	GAACAAAAAC
312051	AGGTGACGTA	TCACCAAGGG	GTGGAGGGAG	GACTTGGTTA	CAAAAGGATA
312101	TAGGGGAATT	CTGGAGTGTG	ATGAAATTGC	TCTGTATCTC	AGTTGAGGTG
312151	TGAGTTAGAT	GGCTGAATGA	GTTTATCCAA	ACTCATAGAG	CTGTACATTC
312201	AAAAGAAGAA	ATTTTGTAT	ATATATTTTT	TTATCAATTT	AAAAAATATA
312251	TAAAAAATAA	AAGAGGGAAT	CCCAAAGATG	AAATAAAAAAC	AAAACATTCC
312301	TGGGACCTAA	CAGACTCTTT	GAAAAACAAG	TTTTCTTCTA	TTTTCCCCTC
312351	CTTCCCTCGA	GAAAGAATTA	CTCATGATTG	AAAGCCCTTA	AAAAGAATTT
312401	GCTTACTCAG	ATATPATTTT	TAAAAGGAGT	GAAATTCATG	ACTCACAAAG
312451	TGTCTATTTT	CTTCTGGCTT	TTAAGTCATT	TTTTACTTCA	TTTTTTCAAC
312501	AAATAATTAT	CGATCACCTA	TAAGCAAAGA	ATGTCTTCCT	GAGCTCTCAC
312551	TTATAATTGA	ACATTTTAGAG	CTGAAGGAAT	CCTTAGAAAT	CAGTTAGTCT
312601	ACATTGCAGA	TGAAGTAACT	GAGGCTCTGA	AAAGTGAAG	TCACTCACC
312651	AGTGCCACCC	AGAAAGTTGG	TGGCAGAATG	CCAGCCAGCA	CTTAGAGTGT
312701	CTAACGGGGC	TTCGGTCTTT	TCACTGTGCT	CATCTTTGCA	GCCCCTGAAC
312751	CTTATCCTAA	GAAGCTAACA	GCTGCTTTGA	GAAGTGATTT	CTTCAGCTGT
312801	GTGAATGTAC	CCTTCACTGG	TGGGATTTAT	AAAGTGTGAT	GGTGGGGGTA
312851	CAGGGAAATA	TTTGGGACAA	AGCATTGTAT	TCTGAGCTTC	TGGAAACTCA
312901	CTTCACAAGC	TGCTTCCCTT	CCCTAAGAGG	AGTCCTTGTT	TCTTACAGTA
312951	AACAGGAACA	GGAACAGATT	GCATGGAAGA	ATCATTTAGTA	GCCACCTGGA
313001	AGTGGCAAGA	TCCCTCTCCT	GTTACTATCA	AAGCTTTGTT	TTTACCCAAG
313051	AGCAGTAAGA	ACCTTCTTGA	ACTGGTGTAG	GTGGAGCTCT	CTAATAATAC
313101	CCCAAGATTA	TGAAAGACAC	TACTCCTGAA	GTCATCCTTT	AGGCTAATAC
313151	ATAAAAGGAT	GGATGACCAG	AGGGTAAGAG	CTGGTAAATC	CCAAAGGCGT
313201	GAGCAATGCA	AATTGAGGGA	CATTCTAGCA	TCCAGATCAT	TGAAGGAAAC
313251	TAAAGAGACA	TGACAGATAA	ATGGAACCTA	TGATTATTTT	GAATGCTTTG
313301	TTATCAGGCA	GTGTTATTGG	ACAATTGGGG	GAAATCTGAA	TGTTTCCATA
313351	TACAAGATAA	CAGAATCAGA	TCTATTAATG	TGAATTTCCCT	GATTCTGGTG
313401	GCAGTTTGTG	GGTTATGTAG	AAGTGTTTTT	ATTTGTACAA	AATACACACA
313451	AAGTATGAGT	GGGGGACATT	GGGGTAGCAA	CTTATTTCTC	AAAGACTCAG
313501	GGACAAAATA	GTGCTTTATA	CTATTCTGTG	AACTTTTCTG	TAAGTATGGG
313551	ATTCAAAATT	AAAATAATAT	TTAAATATAG	AGGACATTTT	AGATATTATC
313601	CTTATAAAAC	TAAGCAGCTA	TGGCTGTATT	CTTTAGAGCC	CTTATTAGAT
313651	AGAGATAAAT	AATTAGAGGG	TACACAGCAT	AGTCTATAAT	TGATGGGCAA
313701	ATAAGTAGAT	GTGATAAAAT	GTATTTTTTT	ATAAATGAAA	GGTAAGCACA
313751	GGAAGAGGTA	ATAAAGGAAT	TGGAGGATG	AGAGATTGAG	TTTGGAGGAA
313801	ATGGGCGAGG	GAGAGAAAGA	GAGCTTTCTT	GGTGTTTTAT	AGTTTTTCAT
313851	CAGCAAGGGA	GTCAGCCAAA	CACGTATTCG	GGATGTGACC	CCAAGCAGTT
313901	CAAA'TTTTGG	AACATTAGGG	AACCTTCCTT	CAGGACTCCT	GTGTCAAGGG
313951	ACCATTAT'CC	AGCCCAACGA	GCACTGTCCT	GAGAGTCTCG	AAACCTGGAC
314001	TCTAGTCCCC	TATTTGTCCC	CAACTGCCAA	TTCAATCTTG	GGCAAAACAA
314051	CCTGTAAATG	AAGTATTTGG	ACTAAAATGA	TGTTTGACAA	TCCCTAAAAA
314101	ACTTAAAGAG	CTTTTGT'TTC	TTGAAGAAAA	TGATAAAATT	TAGAAAGGAA
314151	ATGCACCATA	GAAAGAAATA	GAAAACAATG	AAAATATAAA	TTCTTTTTAT
314201	TTGAGATACC	CAGCTA'ACTA	AAGGAATAGT	TCCTGCCACC	CCATGTC'CTT
314251	CTCTTTGAAA	AAGGAAACAT	AGGAACTC'TT	TTAATTTGAA	CAGCAGCAGT
314301	ATAACTTGCCC	TCCCTTCTCA	CATCTTAGAT	AACAGCAAGA	GAGTCCCTGG
314351	AAATTGAATT	TCTATT'TATG	ATCTTAAAAA	TTCAAATGCA	TCATTGCAGA
314401	ATATAGT'GTG	TTTTCCAAAT	ATCAGAATAA	ATTTACACGG	CAATATTCCA
314451	AGACTAGAAC	ACCTATAGCT	TTTCTGTCAG	CCTAAAATGA	GTTTGT'TTAT
314501	GGAATGAC'TG	ATTTTGT'TTTT	TGACCCGTAA	TTTATTTTGA	ATGTAT'TATT
314551	TTAAATTTTA	CTCACATGTG	TAAATGTTTA	ATCTTTATTT	TTATTACAGA
314601	TTTCTAACAA	TTTTTAT'TGT	G'GTGAGACAC	TAGATTTTAT	ATGAAACCAA
314651	TTATTTCAGCA	TTTAT'TGAGG	GTTAAATTGT	CTAGCACA'TG	GTCAGTTTTC
314701	GCAAATGTTA	CATGAGAGCC	TGGGAAGAAT	GTCTTGCTCT	ATGTGTATCT
314751	ATTAAGTTCA	GCTTATTAAG	TATGTTATTC	AGATATTTTC	TATCAT'TACT
314801	AATATTTTGA	ATGCTTCACT	TATCAATAAC	TGAGCAAGGT	ATA'TAAAAA'
314851	CCAGCATTTGT	GAGAAATATAT	CTGACAGTTT	CTCTTTGTAG	TCCTCTATGT
314901	ATTTTGATTC	TGTTTTATTA	GATGCATGCT	CATTTAGAAAT	TCTTTTTTTC
314951	TTCTTT'GTGA	ATTGAATTAT	TATGTAGTGA	CTTTCTTTAT	CTCTAATAAA

315001	GCTTTTTTAA	CTAAAAATGT	ATTTTATCA	TATTAATATG	GCTACCCTAG
315051	ATTTCTTTTG	GTTATTATTT	GCCTGGTAGC	TTTGTCAAAA	ATTATTTTAC
315101	TTTCAATCTT	TCAATGCCAT	CATGTTATGG	GTATATTTCT	TGTAACAACA
315151	CCTAGCTGGA	TTTTGTTTTT	TAGTCAGTGA	GTCTAGTCCA	TTTACATTTA
315201	TTATAATTAT	GAATGATGGT	GGGTATTTAA	GTCACAATTA	AAATAATCCT
315251	TTTAGAAATG	GTTTTTAAAC	GTATATTTAA	CCAACATTTG	CACTCAGGAT
315301	CCTGCCCAGA	GTTAACTGAG	AAAGAGGGAA	GTGCCATTGA	CAGAAAGAGG
315351	CCTTCAAGGC	ACGTGCTCTA	TCTGGGCACG	CTGCAGGCTA	TGGAAGCCTC
315401	TACCAGTTCA	CCTGCCTGCT	TCTGGAGAGA	GAGCTGTTCT	GTCTTTGCCC
315451	ACCTGATTCA	GAGACAGCCA	TTTGAACAC	TACACATGGA	GAATTTTAAA
315501	CCTCTTTCTG	TAAAATGTAT	CCTTAATGAA	GATTCCGGAT	GCTTGTTAGC
315551	ACCAAATGAT	TGTTGAAATG	ACGATATTTA	AGGTAATAA	CATTGTACCA
315601	TTCCATTCTT	GCATGGACTC	ACACATATTT	GAGTGTGAGG	GATTTCTTAC
315651	ATTCACAAA	ATCATTTTCA	GGGTTTCCTT	AAACTATGCC	TGTGTTCTCT
315701	TAAGGCTTTC	TGGTAAACCA	GGTTTTCATG	ATTATTTCTA	AGAAATTACA
315751	TGTTTTTCAC	TCCCAGTGTG	TCACTAGTCT	CCTGGTGTCT	TTTTTTTTTT
315801	TTTCAAATTC	ATCCAGAGAA	GTTAAAAAAT	CTAAAATAGT	ATCTTAACCA
315851	AGATAGAGCT	ACAAAATTGT	TTGAGGCTTC	CAGTTTAAAC	GAATAGGAT
315901	TGCTATGCAA	TTCACCATTG	AGAAAGCAAC	AATAACGTAC	ATGATAGTAA
315951	ATAATACCTA	GCATGATAAG	AGGTGTGTGT	GTGTGTATAT	GTATGCATGT
316001	ATGTCTGTGT	ATGAAATCCC	CACTTAAATA	TAAGAAACCG	AAGACATAGA
316051	AAATTTAAGT	ATTTTACTCC	ATTCCGATAC	TATAACAAAA	TACTTCAGGC
316101	TGGCCAATTT	ATACACAATA	GGAATTTTAT	GATAAATGAC	TTTTACCTCA
316151	ATTTTAAAAA	AAGAAAAAAT	ATATGTATAC	AGAGAAGTGA	CCAGGGGAAT
316201	TGGCCATATG	AAAGTCAATT	ATACCATAGT	GAGAGTAGTT	TCAGGGAAAA
316251	AGAGCAGGCC	AAGACTCAAG	AGGAGTGGAT	TCAGAAAGAG	TGTGCAGTAA
316301	AAAAGCAACA	AACATAAATC	TTTCAAGAAG	TTTGTGTTGG	AATAGAGATC
316351	AAAGTGATGG	GTTGAGAAGG	GGATGAGCCT	TGGGGGATGT	GGAGGTTAAA
316401	GGAGGTTTTA	TTGTTTAGGA	AAAGATATAG	CAGGTCATGT	GTGTACCCTA
316451	ACAGGAATGA	TCTAGTAGAG	GTAGAAAGTG	ATTGTGAGGT	AAAGAGAGAA
316501	GATGACTGCA	GGAGGGAATG	TCACTGTGAT	GGTGACAGAG	GCCAGGATCC
316551	AGAGCACTCA	GGTAGAGTTT	TGTTCTTTGAT	AGGAGCAGGG	AGGATCCCTT
316601	AATTAGGCAC	AGAAGAGGAG	GCCAAGTATA	TAGTTACTGA	TCCAATAAAG
316651	TGGGCAGTTT	GAATACTGGG	AAAATGGAAT	GTTTATGTGA	TGTTTTTGGT
316701	TTTCCATTTG	AGAAAAACAG	TGAAGTCATT	GGCTGAGAAG	TAGGGTGAGG
316751	GTCCAACCTT	ACATTCTCCT	TCCACACTGC	CCTAGTAGAC	TATCTCTGTG
316801	AGGGCTTTCAC	CCCAGCAGCA	GGCTTCTGTC	TGAACACCAG	GCTTTTGCCT
316851	ACATTCTCTG	AAACCTAGGA	AGATGCTTCC	AAGCCACTTT	CACTCTTGCA
316901	TTCTGTGCAC	CTGCAGGCTT	AACACCATGT	AGAAGCTGCC	AGAGCTTATG
316951	GCTTGCACCC	TCTGGAGCTC	TGGCCTAAGC	TGGACCTCTT	TGAACCAAGG
317001	CTGAAACCAG	AGCAGCTGGG	ATGTGAGGAG	CAGTGTCCCC	AGGCTGTGCA
317051	GGGCAGTGGG	TCCCTGAGCC	TGGCTCCTGA	ACCCATTCTT	CCCTCCTAGG
317101	CCTCTGGGCC	TGTCATGGGA	GGGGCTGCCA	TGAATCTCAC	TGAAATGCCT
317151	TTGAGGCCTC	TTCCTCATTT	TCTGGATATT	TCACATTAAC	CCACTTTTAG
317201	GTATGCAAAT	ATCTCTAGCA	GGTGGTTGCT	CCATAGCCTG	CTTGAATTTT
317251	TCTCCCCCAA	AAAAGCTTTT	TCTTTCTTTG	TCACATGGCT	AGGCTGCAAA
317301	TTTTCCAAAC	TTTTATGCTA	TCCTTCCCTT	TTAAATATAA	ATTCCAAATT
317351	TTGTCAATTC	TTTGCTCCAA	TATCTGGACA	TAGGTTGTTA	GAAGCAGCCA
317401	GGACACATCT	TGAAGGCTTT	GCTGCTTAGA	AATTTCTTCC	ACCAGATACC
317451	CTCAATCATC	ACTTTGAAGT	TCAAACCTTC	ACAGATCCCT	AGGGCATAGA
317501	CAGAATGCAG	CTAAGCTCTT	TGGTAAGGCA	TAACACCTGT	GACCTTTGCT
317551	CCAGTTCCCA	ATAAGTTTCT	CATTTCCATC	TGACACCTTG	TCAGCCTGGA
317601	CTTCACTGTT	CATATCACTA	TCAGCATTTT	GGTCACAACC	ATTTAACCCG
317651	TCTCTAAGAA	GTTCTAAACT	TTTCCCTCAT	TTCTCTCTTT	CTTCTGAGCC
317701	ATGTGAATTTC	TTCCAAATTT	TGCCCATTAC	CCAGGTTCCA	AAGTGTGCTC
317751	CACACTTTCA	GGAACTTTTA	TAGCAATGCC	CCTCTCCTTG	GTATCAATTT
317801	TCTGTATTAG	GCTATTTGTT	GCATTGCTAT	AAAGAAATAT	CTGAGACTGG
317851	GTAATTTTATA	AAGAAAGAAG	TTTAATTGGC	TTATGGTTTT	CCAGCCTGTA
317901	CAAGCATAGC	ACCAACATCT	GCTTGGCTTC	TGGGAAGGCC	TTAGCCGAGC
317951	TTTACTTATG	GCAGAAAGGG	AAGTGGGAGG	AGGCATGTAA	CATAGCAAAA
318001	GCAAGAGAGA	GAGTGGGGAG	GGGAGAGGTC	CCACACTTTA	GAATAACCCG
318051	ATCTTGTGAG	AAATTCATTCC	CTATCAACAAG	GACAGCACA	AGCCATGAGG
318101	GACAGGCTCC	CAAGACCCAA	ACACCTACCA	CCAGGCCCCA	CCGCCAACAG

318151 TGGAGATTAC AATTCACAT GAGATTTGCA CAGGGACAGA TATCCAACT
318201 ATATCAGTCC CTTATAATCC TTTTCTATT CTGATGCATC TGTTGTGATG
318251 TCTCCACTTT TATTTCTGAT TTGATTTATT ATTTGCATCT TTTCTTTTTT
318301 TCATAGTCTA GCTAGGCTT TGTCAATTGT GTTTTGTGTT TCAAATGACC
318351 AACTCTTGGT TTGATTAATT TTTTCTATG TTTTCTATTC CCTATTATT
318401 TTTATTCTGA TCTTTTGCAA AAATAAATTA ATGGGAGTAT GTAAACTAA
318451 AAAGATTCTA CACAGCAAAG GAAACAATTA ACAAAGGAAA AGACAACCTA
318501 CAGACTGGGA AAAAATATTT GCAAACCACA TATCTAATAA GTGGTTAATA
318551 TCCAAAATTT ATAAAACTC TTACAACCTA ACTGCAAAAA ACCAAATAAC
318601 TCAATTTTAA AAATGGCCAG AGGATCTGAA CAGATATCTC TCCAAAGATG
318651 ACATAAAAAAT GGCCAACGGA TATGAAAAGG TGCTCAGGGT CACTAATCAT
318701 TAGGAAAATG CAAATTAATA CCTATGAAAT ATCACCTCAC ACCCCTAAGA
318751 ATGTCTGTTA TCAAAAAGAA GAAATAACAA ATGTTGGTGT GGAGAAAAGA
318801 GAACCCTAAT ATATACTGCT GGGGGACAGT AGACTGGTAC AGCCACTATG
318851 GAAAACAATA TAGAGGTTCC TAAAGAAATT AAAAGTATAA CTACCAATGA
318901 CCCAGCAATC CCTCTTCTGG GTATATACCC AAAGGAGAAG AAAATACCAC
318951 CCCATAAAGA TATCTCCCAT GTTCATTCCA ACATTGTTCA CAATAGCCAA
319001 GATATGGAAA CAATCTAAAT GTCTATCAAT GGAGAAGTGG ATAAAGAAAG
319051 TGTGGCATAT ATATACAATG GAATATTTAT CAGCCTTATA AAAGGATATC
319101 CTGTCAATTTG CATAACATG GATAGACCTG GAGGACATTA CGCTAAGTGA
319151 AAAATAGCCA GACATAGGAA TAAAAATATT GCATGACCTC AATTATATAT
319201 GGAATATTTA AAAAAAAGAA GAGCTCAAGT ACACAGAGAT AGAGAATGAA
319251 ACAACGGTTA CCTCAGGCAG GGTGGTAGG GGAGAGGAAA TGAGGGGAATG
319301 TAGGTCAAAG GATACAAAAC AGTAGATACG TAGGATGGAC AAGTCTAGAG
319351 ATCTAATGTC AATATGAGGA CTAAATTTAA TAAATTTATA TTGTATTGGG
319401 AATTTTTGTT AAATAAGTAG ATTTTAGCTG TTCTTGTCTA AAAAAAGTAA
319451 CTATGTGAGG TCATAGATAT ATTAATCTGC TTCCTATAG TAACCATTTT
319501 ATTATCTATA TGTATCCCAA AACATCATGT TGTAAACCTC AAATATACAC
319551 AATAAAATTT AAAAAATCAA AATAAAATAT TTTTTAAAG AATAAAGGAA
319601 AACATTTGAA GTAGTCATTT TGGGAGGAAA ATAAACATAC TGGGGAAACA
319651 CGGTAAAGTT GTGGGCGAGT GCTGAGTGCC ATTCTGAATC AAGATTATCA
319701 TCTTAAATGA GAGACTTGGT ATATTTGGAT GCTTTTCTCC ATAAATATTC
319751 TCTTGTGTTG GTACAGCCAT GGAGTAGGTA TACGACTGAG TTTAACCATT
319801 AGGTCTTTGC CAAACAAAGG GAAAGGGGTG GAAAAGTCA AAGGTATTG
319851 CGAGATAATG GTTATGATGA TGGGCCATGA AATTAAGTGT GAGGAGGTAG
319901 GTGAGGAGTG AGTATATGAG GTTACAAAAG AAGTGAGTAA TTATTATCAT
319951 GGGGGTAGAG TCGAAGTGAA GGGCACCATG AAGTGAAGA TTAGCTGGTA
320001 AGTATGGTGG GAGGGCATTG AGGGGGTGAT TAGAGAGTAG GAGGCTTGAA
320051 ATCAATTTCA GAGGTCTATG AGTCATTGGC ACTGATGAGG TCAATTGATA
320101 TGATCATGGG AATGGGCAAC TCAGGTAGGG TAAAGAAAT GATGGCTGAA
320151 TGGGAGGCAG TTCAAAAACCA GAGACAGCAA GAATACAGAA GTTAAGAAATG
320201 ATGACAAGAG TACAAGGTGG AAGAAAGAGT GGGCTAGTCA CTGAAGTAAT
320251 CAGTGTATGA AGAGAATGAC CAGGTTTGG TAGATGTCAG CAAAAGAAAC
320301 ACCTGGATTT TGTGGGGGTG ACTGAGGTGA CTAGGATGT TAGGCATGCT
320351 GGAATCAGTC CTGACAATCT CATGACAGAA GGTGGGAAAC TTATTGTGGA
320401 GCCTAGGGCT GTGGTTTCT CCAGCATCTG GTGTTTAAAG ATCAGCATTT
320451 GAGTCCAAAC TCTACCACAC TAACTGTGTG AGCTTGTGAA AGGCTACGAA
320501 AAACCTGCTT ATTCTCATCT GTAAAAATGAA GACAAATGTT CAATGAATTG
320551 CCTAGTTTAT AAGGAGCATT TGAAATAATG AATGCAAAAG CACTTTGCAA
320601 GCTCTAAAGG GCTATAGAAA TGTTAGTTAA AATTAATAAT TTATGTCTTG
320651 CATTTGTCATG ACCAGCCTTT AAACCAGAGC TAGAAGAATT ACCTATTCAT
320701 CTCTTTTATCG GCCACAATAC GTAACACATA TCCTATGATT TAGAGATTAC
320751 AAGCTTGAAT AACACTGAAC AATAAAAGCT TATAAAATGA ATGAGTCTGT
320801 GACTAATGTC TCCAATGTTA TTATCAACAT TACCATCATT ACTGTTAAGC
320851 ATTAATGCTT CAAAAATGTT GAAAAAGGC CGGACACGGT GGCTCACACC
320901 TGTAATCCCA GCCTTTGGG AGGCCAAGGT GGGCTGTAA TGCCAGCACT
320951 TTGGGATCAC CTGAGGTCAG GAATTCGAGA CCAGCCTGGC CAACATGGTG
321001 AAATCCCATC TCTACCAATA TTACAAAAAT TAGCCAGGCG TGGTGGCAGG
321051 CACCTGTAAT CCCAGCTACT CGGGAGGCTG AGGCAGGAGA ATCGCTTGAA
321101 CCTGGGAGGC AGAGGATGCA GTGAGCTGAG ATCACACCAG TGCAGAGACT
321151 TCATCTCCAA AAAAAAAGAA TACACATCCT GGTTTTCTT TTTACCAAAT
321201 CCATTGAAAT GAAGAAAAAG TAATATTTCT TCAAGTTAAA GTCACACAAA
321251 TATTTATACA CTTTGACCTA ATAATCTCAT TCCCATAACA TTTTATCAT

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321351 GTGCAGAAAC CATAAGTACA CATATAAATT TTTAGAGTGA ACACACACAT
321401 AATAGCCCAA CTCCATAAAA TTGATGTCA TAAATATTC CCTAAAAATG
321451 TAAAAGCCTA ATATCTAAAG ATGAGGTATT CACACTATGT TATAGTGCAA
321501 AGGAGCAAAA AAAAGCTCAT TGTTTGGTGA AGGGAAAATG GAGTAAATAT
321551 TGGCACATAA ATTCAGTGGA ACAATATGGA GCCATTAAAA ACGACAACCG
321601 TGAAGAACCG CAAAACAAAA TCCACCAACT TGAATGCCCT TGAGTTAAGT
321651 GGGTAGAAGA ACTATGAGAA GGAGCCTGGT ATAAGATGAT AAAAGATAGG
321701 GGAGGTAGGT CAAAGACGGT CAGAAAATGC AGAGTACAGA GTGCTTGCAG
321751 GCCCCACATA AAGACATTCA CATTAAAAACA TTTAAAAATA ATAAAGGAAG
321801 ATAAACATG GTATTGAAAA ACAAACATG TTATGGACCA AATGTTGCCC
321851 ATAGGTCTTT AGTTTGTGAC CCTTCTGGA GATAGAGGAA AATAGTCAAC
321901 GGTGAAATAA ACATACTAGA TATGGCAATA TGATTATAAC ATAAAGATTA
321951 TGTTCACATA TGGACAATCA CTGGAAGTGT GGAAAAAATG AATGTCGGCC
322001 TTGGTGAAAA CTTGGCCAAA TAACTTTACC CCTTTTAAGC CTCAGTTTCT
322051 TCATCTGTAA AATAGGGATT TAAAAAATTG CCTCCTTCGT ACAGCTGTTG
322101 TAAAGGTTAA GTGTGATTGA AAGGGCAAAG TGAGTAGAAA AGGACCTGGC
322151 AAGTGCCAAA CAAAACATT CTCCCCCTCA TTTTCTCTCT CCTCCTCCTC
322201 ATCTTAAATT TGTATTATT AACTATTTCT GCATTTTATA TCCCACCATC
322251 CTGTTTCCCT TTGTTCTACT AACTCCAGCC ACAATAGCTT TCTTGTATT
322301 TTTCCAATAT GTTTTAGCCT TAGGGCCAAA ATTCTTTTGC CCTTAGTATT
322351 TGTCTTACTT CCTGAGAGCT TTGCTCAAA TGACACTTCC TCAGAAGGAT
322401 TTTCTGTGCC GCCTCACCTT GCTTTTCTT CATTCGACTT AGAACCATCT
322451 GATATCTTAT GTGTATATGT GTATATATAC ATACGTTTAT ATAAACACAT
322501 CTGTGTGTAT ATCTGTGTAT TATATATATA TACACACACA AGGGCAGGAC
322551 TTTGCCTAAC TTGTTTACTG CTATATTCCC AGTTCCTTGA AGGGTACCTG
322601 GCACATAATA GACATTGAGG CATTATTTGT TGAATACTGT TAAATGTTTA
322651 GGGTGGAGAT ATTTGTGCTT TTCTTCCCCC TTTTCTTCTA AATCCCAGAA
322701 TGACAATGTT TGTAATAATCA ATGATTTAAA AGCACATTTT CCTGCAGGTG
322751 ATCTTAATGT GTAACCTTT GTAACTTTT GTAACTTTT TGACAGATCA
322801 GCCATGCAGA AGCTGGGGAC AGAAGTATTT GAAGAGGTCT ATAATTACCT
322851 CAAGAGAGCA AGGCATCAGA ATGCTAGCGA AGCAGAGATC CGCGAGTGT
322901 TGGAAAAAGT GGTGCCTCAA GCCAGCGACT GTTTTGAAGT GGACCAGCTC
322951 CTGTACTTTG AAGAGCAGTT GCTGATCACG ATGGGAAAAG AACCTACTCT
323001 CCAAGAACAT CTCTAGGCAA CTATCAAAAA GAAGCAGAAG TTCAAGTGGA
323051 CAAATTTATG TGAAAAATCA TTTAACATAT AAGCTGAAC CTATTATGGG
323101 GAATGGATAC AAAAGCAGAG CTCCCATCTT GACTTTCAAT TCCTCATCAG
323151 AAGTACTGGC TTCTTTAGAG AGTAGTAAGC ATGGCTGCCT ATGCTTGAG
323201 TCATAAGTGT TATTTGGACT ATACCTGAG ATAAGCTTAT AGATCAAGTT
323251 TGGCTCCCTT GAAAAGCATT TCTCTCATGT GCGCCCTCAG GGCTTCCAGC
323301 AGGATTGAGT CACCCTGACG ATGACCGGGG AGAAGCCGTG TGCTCTTCAT
323351 TATTTTCAGC TGGAGGACAG AGCTCAGTGC CTGACTGCCT AGGGTCTCAT
323401 GGAATGTAGG CAGCCTGCCA GTGAAGGTCA CTGGACTCTA GCCTACAACA
323451 TGCTGAGCTA CAGCCCAGAA GCCAGACATG CCTGTCTTAG CTGACCTGTT
323501 TTTGGTCCAC TTTTGCCCTT CCATGACTAA TAAGGAAGAT ATGTGTGTAT
323551 TTCATACACA CACAAGACC TGGATTAAAA ATCCAAAAAG TGATTCTCTT
323601 CTATGATTTA TTTCAAATC ATCCATAGAT AATTCAAGAT TTGTATTCAA
323651 AATAAACATA GTTTTCACAG TTACAAAAA AATCACCTAT TTTATCTTTT
323701 CCTTATGTAA AACTTTCTTA TTGAATGTAA CATATCCATC CTTTGATAAT
323751 TATTACTTAG AGCCAGTAAT ATTTGGTTAA TTTGGTGCCT GTTGGGTACT
323801 AGTACTGTGC TTAGTAGTTT AAGGGCCTTC ATTGGATCTT TTCACTAACT
323851 TGAGAGAGAT AGAGTGAAAG AGAGAGAAAG AGAGAGAGAG AGACAACAGA
323901 GAAAGAGAGA TGCTCAGGTT AGGTAATTTG CTTAGTCACT CAGCTGCAAG
323951 AAGCAGAGTT GGCATTTGAA ACTAGGTCTG TCGCATTCOA GAATCCATAC
324001 TCTTAACCAG TGTCTATCAG AATTTTCAAC CATGGAACTA TATTAGATTT
324051 GCTTGTGAAG CTTTTTAAAC ATAGACACAT TTAATATAC TGTTAATGAA
324101 AAAATATATT ACACCTATTG AAATGGCAAA AAGACTGTAA TCAGGACTAT
324151 TTTGATAGGT ATCAACAATA TTGCAATATG GGAGAGGCAT TGGGCTCAAC
324201 TCTGAAGTTT CTTTGCTGAA GCAAAGAAAA CTAGAGATTA ATAGCCAATT
324251 AGCAGGATAC GGGCCTTGGT GGA'TGGAAAA TTTCTAAAAG GAGTATTCAA
324301 AGGTTGGGGG TTGTATTAT CATGTTTAGTG TTGCCATAAA AGAATACCAG
324351 AAGCTGAGTA ATTTATAAAG AAAAGAAGTT TATGTAGCTC ACGGTTTTGT
324401 AGGCTGAGAA GTTCAACGGC ATGGCCCTGG CTTCTGGCAA AAGCTGTTGT

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324451 GTTCCATCAC AACACGGCAA TGAAGGGGAA GTGGACAAGT AGGAAGACAG
 324501 AGAAACCTGA GGGGTGTCCT GGCATTATAA CACCCACCCT TTGGGGAAAT
 324551 AATCCATTCC TTCAAGAAAC AATCCAGCCT AGAGAGCAAG AACTCCAGAG
 324601 CAGTAGCAAG CTATTTTTC AAGGTGCTCCC CCATAATCCA AACATTTTCC
 324651 ACTAGGCCCC ACCTCCCAAC ATCACCCTT TGGGGATCAA ATTTCAACAT
 324701 AAGTTTGGGA GCAGGCAAAT ATTCACACCA TAGCAGGGAG ATTCCTGCTA
 324751 AACTGACTTA AGATTCCAC TGGAGGAAGG CCAGGGTCAT CAGAGATTGA
 324801 GGGCAGGTGA TGAGGAATTT GATCAGATAC TGAGGGTGAT CAGCTATCAA
 324851 ATGTGGGGTA TTCTCAATAA ACTGACTTTA CCAGAATTCT TGCTAAAAC
 324901 GGGTTTGGCA GGCTGAAGAC AGAGCCAAGA ATGAGGCCTC ATAAAAAGA
 324951 GGGCTCAAAA GAGCCTGTCT AAAGTTTGGT CGAGGAGATA ATCTTTGTCA
 325001 ATACCAAGAC CCACCCACT CCCTTCTCTG GGAAGACAAG GGGCTAAAAC
 325051 ATATCTATTG TTTCAGAACT GTCTGGGTGA ATTTGATGCC CACAGTACTG
 325101 TTATTTACTT TTCAGCCTCC TGCTGATGAC TGAGGAAACT AAGAGAGTTT
 325151 CTTTATCTTA CTAACCTGTT TTCAGTGGTG CTGTGCTTCC TGCATGATGC
 325201 ACTCTTTTAG ACCAGTGATT CCCACATTTG AGCATGCATT CGAATCACCT
 325251 GGAGTGCTTG TTGAAGCATA GATTGGTGGA TTCCATCACC AGCATTTCTG
 325301 ATTTCAAGAGA TCACGGTTTC TAACATGTTT CCAGGTGGTG CCAGTGCCAC
 325351 TGGTACCACA CAGAACAATT GTTCAAGACC TTTCTTTCTG TTGTCTCTCT
 325401 TCTCCCCCTC CCTCTTTTGG GAACAGTGTT TTGGCTGCTC TTAATTGGGG
 325451 GCTTAATTAA TCTCACATCT TGGAAGGTGG TATGAGGACT TCCAAGAAGG
 325501 GTCCAAAGAC TTCAAATGCT TCACAGTGAA TATAAGCAAG TAGTGACTGG
 325551 GGTGGAGTGG TAGGTGAGTC AGTGTGAATA ACTTGAGAGA ACTTAATGGG
 325601 CTTATTTTAA GGACAAAAGGG GCATGGCCAC TGTGCCCTAA CACTCTATCC
 325651 TGTGGCTTCA CTCTATCCC TGCCCAGCAA CCAAAGGAAC CACCCAGGTG
 325701 AATCCACAAT TTCTCTAGTG CTCAAGGGTT ATGAACATCA CTCTTCTGAG
 325751 TTCCACAAAC TCCCTTACAT TATAGAGAGG TTTTGGGGGC TGCACAAAAC
 325801 TTCATTCTGC CTCTTCCCAA AGCTAATGAT GCCCATTTCTC ACCCTCTCTC
 325851 CCTGCATACT GGAGAATTAT TCCTGGCTGG GAGGCTGGGG GTCAGGAGCA
 325901 TGTCTGTGCT CTCACAGCCC CTGTGTCTGC AGCAGGAAAA GCAGACCTCA
 325951 AATACTGCTT CTGGAGGTGG GATCTGAGAC TTTTCAGAAAT TTGGAACCTG
 326001 AGTGTGTTTC CCAG

FEATURES :

Start: 3000
 Exon: 3000-3169
 Intron: 3170-53737
 Exon: 53738-53903
 Intron: 53904-83114
 Exon: 83115-83233
 Intron: 83234-106060
 Exon: 106061-106125
 Intron: 106126-107148
 Exon: 107149-107275
 Intron: 107276-125710
 Exon: 125711-125860
 Intron: 125861-125953
 Exon: 125954-126032
 Intron: 126033-128358
 Exon: 128359-128444
 Intron: 128445-135733
 Exon: 135734-135853
 Intron: 135854-138750
 Exon: 138751-138844
 Intron: 138845-142152
 Exon: 142153-142264
 Intron: 142265-144095
 Exon: 144096-144097
 Intron: 144098-144098
 Exon: 144099-144210
 Intron: 144211-201858
 Exon: 201859-202019
 Intron: 202020-216887

Exon: 216888-216948
 Intron: 216949-246929
 Exon: 246930-247026
 Intron: 247027-322796
 Exon: 322797-323013
 Stop: 323014

CHROMOSOME MAP POSITION:

Chromosome 3

ALLELIC VARIANTS (SNPs):

DNA				Protein		
Position	Major	Minor	Domain	Position	Major	Minor
1139	-	G	Beyond ORF(5')			
1399	C	G	Beyond ORF(5')			
1872	T	-	Beyond ORF(5')			
1876	G	-	Beyond ORF(5')			
3180	G	A	Intron			
7590	T	A	Intron			
9315	T	C	Intron			
9572	G	A	Intron			
11004	A	G	Intron			
11379	-	A	Intron			
12478	G	A	Intron			
12486	-	T	Intron			
13904	A	G	Intron			
25445	T	-	Intron			
26805	T	A	Intron			
28010	G	A C	Intron			
28107	C	T G	Intron			
28107	T	C G	Intron			
28178	G	A C	Intron			
28356	T	C	Intron			
29535	A	G	Intron			
31808	C	T	Intron			
32807	T	C	Intron			
34531	A	G	Intron			
35318	A	G	Intron			
35463	T	C	Intron			
35477	C	T	Intron			
37050	A	G	Intron			
37470	T	G	Intron			
37481	G	A	Intron			
37499	A	T	Intron			
40178	-	A G	Intron			
40178	G	A	Intron			
40787	A	G	Intron			
44582	G	A	Intron			
45615	C	A	Intron			
46091	C	T	Intron			
47844	T	C	Intron			
48013	G	T	Intron			
48072	T	A	Intron			
50802	G	T	Intron			
53305	G	A	Intron			
53379	T	-	Intron			
56233	A	G	Intron			
56453	G	C	Intron			
59300	C	T	Intron			
60998	G	A	Intron			
63013	G	A	Intron			

63293	T	A	Intron
64181	C	T	Intron
64191	G	A	Intron
68992	A	C	Intron
76246	T	C G	Intron
77368	A	G	Intron
78043	G	A	Intron
79395	A	T	Intron
79474	A	G	Intron
79992	G	T	Intron
81065	T	C	Intron
81350	C	T	Intron
81474	G	A	Intron
82037	A	G	Intron
83258	G	A	Intron
83790	G	A	Intron
86565	C	T	Intron
86707	C	T	Intron
87243	A	- G	Intron
87243	A	G	Intron
95967	A	G	Intron
96374	T	G	Intron
100283	T	C	Intron
101074	C	- T	Intron
103767	T	A	Intron
104082	T	G	Intron
104473	T	C	Intron
105573	A	G	Intron
105668	C	T	Intron
106657	T	C	Intron
106855	G	T	Intron
106957	T	-	Intron
107957	G	C	Intron
108454	G	T	Intron
109894	G	A	Intron
110467	A	G	Intron
110538	C	T	Intron
113089	A	G	Intron
113964	A	G	Intron
114354	T	G	Intron
120163	C	T	Intron
124748	T	G	Intron
127581	C	T	Intron
128202	T	G	Intron
128496	T	C	Intron
130108	T	G	Intron
132240	T	A	Intron
133120	C	T	Intron
135891	T	C	Intron
136385	G	C	Intron
137408	C	T	Intron
141673	-	T	Intron
141688	T	A	Intron
141736	G	C	Intron
141982	T	C G	Intron
150406	G	C	Intron
150903	G	C	Intron
152612	T	C	Intron
153900	G	A	Intron
158595	G	T	Intron
162718	-	C	Intron
164528	G	A	Intron
165214	C	G	Intron

166052	C	T	Intron			
170782	T	C	Intron			
171439	C	T	Intron			
175068	-	T	Intron			
178314	G	A	Intron			
179835	G	A	Intron			
186140	G	A	Intron			
186541	-	C	Intron			
188058	G	T	Intron			
188593	A	C	Intron			
192900	-	A G	Intron			
193005	A	T	Intron			
195888	C	T	Intron			
196643	T	C	Intron			
198793	G	A	Intron			
204566	T	A C	Intron			
206094	A	T	Intron			
209224	T	A	Intron			
211364	G	A	Intron			
211561	A	G	Intron			
212346	G	T	Intron			
216030	C	T	Intron			
216597	C	G	Intron			
218212	A	C	Intron			
225907	-	G	Intron			
229343	G	A	Intron			
230880	G	A	Intron			
230881	G	A	Intron			
231039	T	A	Intron			
231100	T	A	Intron			
231711	C	T A	Intron			
232431	C	T	Intron			
232503	G	A	Intron			
233364	A	G	Intron			
233423	C	T	Intron			
251180	C	A	Intron			
251291	T	C	Intron			
256969	-	T	Intron			
260787	A	G	Intron			
261903	-	T	Intron			
262224	T	C	Intron			
263740	C	T	Intron			
283403	A	C	Intron			
285709	T	A	Intron			
288934	-	T	Intron			
288954	-	T	Intron			
292710	G	A	Intron			
295600	G	A C	Intron			
295679	T	C A	Intron			
296323	T	G	Intron			
299119	C	T	Intron			
300404	T	G	Intron			
303906	G	A	Intron			
304170	-	G	Intron			
304657	C	T	Intron			
304771	C	T	Intron			
312311	G	T C	Intron			
313434	T	C	Intron			
313997	-	G	Intron			
322343	T	C	Intron			
322893	C	T	Exon	606	D	D
322905	A	G	Exon	610	K	K
325770	T	C	Beyond ORF(3')			

FIGURE 3, page 107 of 141

Context:

DNA

Position

1139

TATGCCAGGAGGTATGCCAGGGATTGGGGATGCAGAAATAAAGAAGATGTGTTGCGAGTG
CCCAAGTTCACCTCAAACCTCGAGGGGGAGCGTGTGTCAAGTGAACAGATAGTTCTAGAA
TCTAGACAATGCGACACATTCTTGGGTAGGTTTATGGTTGCGCAGAGGAGACTAATGGAA
TGGATGACCTAAAAGTGGACTGGGATGGGGTGGCAGGGCTGAGTCTGTGAGGGTGGGCG
GGAGGGAACCTAGTCCCAGAGTCTTCTGCAGCTGGACCAGACTACTTAAGCACTGCTGG
[-, G]
TTTAGACTGTCCTTTAAATAAGAGCCGCTAGAAGTGAACCTCTCATTCTGTCCGTCCCT
AATCTGTCTCTCTCTAAAAGGAACCTTAATCTCATCTTTAAATAAGGAGAATTACTGA
GTGACCTGAAGGACCTTTTTCAGCTGGAAAGTCTGTAAGTCCATATATTTATTTGAACAG
CTTAGTATGGCCAGACGGCATCACTTTTATGACAGTGAAGGGGAAGTAAAAACAAAAGGT
ATATTTAGAGGCTGCTCTCTAGTTGTTTTTCCAGCAGATTTTACTAACGTGTCTTTGGA

1399

GTCTTCTGCAGCTGGACCAGACTACTTAAGCACTGCTGGGTTTAGACTGTCCTTTAAAA
TAAGAGCCGCTAGAAGTGAACCTTCTCATTCTGTCCGTCCCTAATTCTGTCTCTCTCTAAA
AGGAACCTTAATCTCATCTTTAAATAAGGAGAATTACTGAGTGACCTGAAGGACCTTT
TCAGCTGGAAAGTCTGTAAGTCCATATATTTATTTGAACAGCTTAGTATGGCCAGACGGC
ATCACTTTTATGACAGTGAAGGGGAAGTAAAAACAAAAGGTATATTTAGAGGCTGCTCT
[C, G]
TAGTTGTTTTTCCAGCAGATTTTACTAACGTGTCTTTGGAAGGGAAAAGAAAAAGCTGGT
AACTAATCTCACTGGTATTAGGTACAACCTAAGTATTACATATTTAAGAAGGAAAAT
GTTGTAAATGGGCATTTACTTATGTTCTGTTTTGAGGATTTTGTGGTTAATTGCCCTAG
TAGTTTTTGTGGTTGACGGACACCACCGTAAAGCCCATTGACCATCCTTAAAAACTAG
GTTTTTGTCTCATAGCTTTGGAATTGTTGAATATGAAAACCTAACTTCAAGGTGTAGGCA

1872

TGCCCTAGTAGTTTTTGTGGTTGACGGACACCACCACGTAAAGCCCATTTGACCATCCTTA
AAAAGTGGTTTTTGTCTCATAGCTTTGGAATTGTTGAATATGAAAACCTAACTTCAAGG
TGTAGGCAGTTTTCAATTTAAATGTTATTTCTATATAGATTTAAACAAAAGCACACTT
TTCTTGATAACTAACAAAACATTTAACATTCTGATGAAATAAAAGTGATTTTACTTTGT
CCTACTCATATGAAACAGTCTGCTCTTTCTTTTTTTGTTTTTGTTTTTGTTTTGTTTT
[T, -]
GTTGAGATGGAGTCTTACTCTGTGCGCCAGGCTGGAGTGCAGTGGCGAGATCTCACTGCA
AGCTCCGCCTCCTGGGTTACGCTATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTG
CAGGCGCCCGCTACAATGCCCGGCTAATTTTTTTGTATTAGACGGGGTTTACCGTGTTA
GCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCGCCTTGGCCTCCCAAAGTGCT
GGTACTACAGGCGTGAGCCACTGCGCCCGGCCTAAACAGTCTGCTTTCATAACTGCCA

1876

CTAGTAGTTTTTGTGGTTGACGGACACCACCACGTAAAGCCCATTTGACCATCCTTAAAA
CTAGGTTTTTGTCTCATAGCTTTGGAATTGTTGAATATGAAAACCTAACTTCAAGGTGTA
GGCAGTTTTCAATTTAAATGTTATTTCTATATAGATTTAAACAAAAGCACACTTTCT
TGATAACTAACAAAACATTTAACATTCTGATGAAATAAAAGTGATTTTACTTTGTACCTA
CTCATATGAAACAGTCTGCTTTCTTTTTTTGTTTTTGTTTTTGTTTTGTTTTGTTTT
[G, -]
AGATGGAGTCTTACTCTGTGCGCCAGGCTGGAGTGCAGTGGCGAGATCTCACTGCAAGCT
CCGCCTCCTGGGTTACGCTATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTGCAGG
CGCCCGCTACAATGCCCGGCTAATTTTTTTGTATTAGACGGGGTTTACCGTGTTAGCCA
GGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCGCCTTGGCCTCCCAAAGTGCTGGTA
CTACAGGCGTGAGCCACTGCGCCCGGCCTAAACAGTCTGCTTTCATAACTGCCACGTC

3180

ATCTTTTAACTTTTCATCTTTAAGGAAGTACCAACACTGGATGAATTTGACCATTCTTT
AGGAGACTGGAATGTTAAGTTTCTATAAATGAATGAACAGTCTCTCTGTTTGGAGCA
ATGCTGAAATCCAAGAGGCAGCTAAGTGTGTGAGTGGATCAACAGCCATTTCCACTTAT
CCAAAGACCTTGATTGCAAGAAGATACGTGCTTCAACAAAACTTGGCAGTGGAAGTTTT
GGAAGTGTCTATCTGGTTTTCAGACAAGAAAGCCAAACGAGGAGAGGAATTGTAAGTAAAA
[G, A]
TGCTTCTATGAATCTTGAGTAGGCTGCTTTTTGTTTGCAGGTCTTAGCTGATTAGGAAC
ATGGAGCAGGCCAGGTATGGTGCTCATGCCTGTAATCCAGCACTGTGGGTGGCCAAGG
TTGGCAGATCACTTGAGGCGAGGAGTTCAAGACCAGCCTGGCCAACATGGCAAACCCCTG
TCTCTACTAAAAATACAAAAATTAGCCAGGCAGGGTGGTACATGCCTGTGATCTCAGCTA

FIGURE 3, page 108 of 141

CTTGAGGTTGAGGCACAAGAATTGCTTAAACCCAGGAGGTGGAGGTTGCAGTGAGCCGA

7590 GTCTAATTATGTTGTCATAGTCCTAAAAAGATTGTGCTAGTTCTTATTCATTTTATTTTA
TAGTATTGTTAAATTGTCAAAGTATCTTTTCAAAAAATCAAACCCAAAAGATTGATCAG
CCCAGAAATTACTTTGGCCCTTAACATTAGCATAGTGCATGTAATTTAATAGAAAAGAGA
TATTAAGGAAATAGGTTTACCCTAAAATACATGATTAAACTTGAATTAATCATGGCCAC
AGCTACAGTGAATTTCAACATTCATCTTATCAGCATAGAATGTTGGTTATAATGATTTTT
[T, A]
AAAAATTTATCACATTTAAGATATAGTGATCTTACTATGCAGAGTTGATTTTTATGCTGTT
GTCTGTTTTAGTCTGTCAACTATGAAGTATTTAATACAATTTAAATTTTTTTTTTTGAG
TCGGAGTCTCGATTGTCAACCCAGGCTGGAGTGCAGTGGCGCGATCTTGGCTCACTGCAA
GCTCCGCCTCCCGGCTTACAGCCATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTAC
AGGCGCCCGCCACCACACCCGGCTAATTTTTGTATTTTTAGTAGAGATGGGGTTTACC

9315 TTCTGGAGAAGCTGTATATCTAATGAGAAGTGAATATAACCAAAATAAGCAGGTGGAA
TAATTGGGCAATTACTCGCTTAAACCCAGGTAAAAGGTCTCTTCTAAGAACTTGACAAAAT
GGAACAGCTGTATGTACATTCTAAGTGGCTATTGTTGTGGGAGCCCTAAGACCCAGTGT
TATCTACTAAATAGCTCTGGATGCACCCCATACAAATATTCATAGGGTACCTCCTTTCC
CAATATTGAAGTAATGTGTATACACTTTATAAAAAGTTCAGATGTGCATAAAGAAGCAG
[T, C]
AAAATAATCTATAATCCTGCCATCCAACCTGTGGTCTTTTCTGTATGCACTGACAAATAT
TCAGTCTTTTAAACGAAACATGGCATTGGTCTAGTCACTTGCCTCTGAGAGGAGATAGGAA
GAGAAGGAGACTTCACTTTTCACTGAACCCCTTCTGTGCATTTGGAATTTGTATCATGT
GCAAGACTGAAACAAAACAAACCTATAAAATAAAGTGAAAAAACCCACATATTCATTCA
ACAAATACTGGTCACCGTTTACTGGTCATCTGGAGCTTGAGTCTGGTACAGTGATTCTTA

9572 TGTATACACTTTATAAAAAGTTCAGATGTGCATAAAGAAGCAGTAAATAATCTATAATC
CTGCCATCCAACCTGTGGTCTTTTCTGTATGCACTGACAAATATTCAGTCTTTTAAACGAA
ACATGGCATTGGTCCTAGTCATTGCCCTCTGAGAGGAGATAGGAAGAGAAGGAGACTTCAC
TTTTCACTGAACCCCTTCTGTGCATTTGGAATTTGTATCATGTGCAAGACTGAAACAAA
ACAAAACCTATAAAATAAAGTGAAAAAACCCACATATTCATTCAACAAATACTGGTCACC
[G, A]
TTTACTGGTCATCTGGAGCTTGAGTCTGGTACAGTGATTCTTAACCTTGGCCAAACAGTG
GAATCACAATATTTAGAAAGTACAGATGCTTGAGTCATACTCCAGTGAATTCTGTTGGT
CTGGGGTATGGCCAAGGATTTTGTAGAACTTCCAGGTGATTATATGTGTCACTAGACTT
GAAATATCTCAACTGGAGATAAAACCTACTTACATAATCATAAAATAATTTTAGCTGCA
ATAACTTGTGAAAGAAAATCTTGGTCTTGTGAGGTACAATAAACTCATCTTTGCTTGC

11004 CCTCCTGCATAGCTGGGATTACAGGCACCCACCACCAGCCAGCTAATTTTTGTATATT
TAGTAGAGACAAGGTTTACCATCTTGGCCAGGCTAGTCTCAAACCTTTAACCTCGTGGT
CCACCTGCCTTGGTCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCATGCCCAGCAT
GAATAATAATTCTTACTAAAATGTGTGGGTTTGTGTAATATTAATAATCACTTTCAATA
ATTAGATTTGTGACTGTAATTTCTGCCATTTAATAGCTGATCGCCTTTAGCAAAGCTAAT
[A, G]
TTTATATATTGTACCTACTAATACCTATTTATGGATATTTCTGTCTGATTTATTTAATCA
TTTTAACATATCTTTACTTTCAATTTTGTAGTCATTTTAAACAAAACATCAATAGATTTAA
TGAGTCCAACTTTGAACCAATCTATGTATTCTTATTAAGCTACTATTTCTATATTATG
TCTAGGAGTTCTCTCCAGTGGTTATCTGTGATGGGATAGTGGGTTTATTGAGTGGGACGA
GTTAATTTAATAGGATTCAGTGGTTTACGCCGTGGAGAGTTATGAAAACAATTTGGAAGA

11379 TACTTTCAATTTTGTAGTCATTTTAAACAAAACATCAATAGATTTAATGAGTCCAACCTTG
AACTCAATCTATGTATTCTTATTAAGCTACTATTTCTATATTATGTCTAGGAGTTCTCT
CCAGTGGTTATCTGTGATGGGATAGTGGGTTTATTGAGTGGGACGAGTTAATTTAATAGG
ATTCAGTGGTTTACGCCGTGGAGAGTTATGAAAACAATTTGGAAGAACTAATGATTTCT
TTCTATTTTGCTTGGCAGACCTCAAAACACAGTTTCTTTCAGTTTCTCACAGTTAAAAA
[-, A]
AAAAATCTTCTGCTTATCTTTTAAAGAGAAAGTATAACATGAAAGCATATTAATAATATTA
AAAATTTTAACTAAAATTAATATTAATAACAGTTTCAAGTCTCGGAATCTTGTGCTTA
GGTTCCTCTAGGTAAATATAGAAAGAGTACATTTGAACTTGGACTTCACTTTGGGCTTTG
TCAGTTCTCTGCACACAATAAGGTCAAGCTCTGAGCTTCTGGCCATCTTATATTTAAAG
TTTGGGAGATGGAATGGATAAGGAGAGAAGAAAATGCAAGGGCACATAGTTACTTTGATT

12478 GCTAATGGTTTGGCTAACACTGAATGACATCCCATGAAATATGGAATAGCATTCTTCATT

FIGURE 3, page 109 of 141

TAAATGTATGAGATAGGGGAATATCTAAGCTATTCTAGTAAATAATAGTAATAATAAATG
TAATTGGATATGCTGATCCCTTTACATTGTCATTGTTGACTTCCTAAAATTTTAAAGTG
CAAGATTTTGTGTTAAGCCTATTAAGTTATTGTATCTCATTTATTCAATAAAATAAGTA
TTTTAGGATGAGTGCAAAAAATGCAAGAGCAAAATTTGATGGGTGTAGTCTACCTTGTAG
[G, A]
TTTTTTTCTTCCCTAAAAGGGCTTTTTTCATCGAGATGTTTATAATAAAAAAGTGAG
CTGATTTTTAATAGAGTCCAGAGGAACCTCAATAACCAAATCCAGAATTCTTAATGGTTG
ATGAATATTAGAATATTAGTCAGCTAACTTTAATTTCTGACCCCAAAACAAGCACAAC
ACCCTCAAGTATAATCTGTAAC TAGCCCTTCTTGCTGTTGTTTCTACACAAGCAGCCTTT
TGGGGAGAATATTTCTCCAACAACCTTTTGGTGCATCCGGCAGCCAGCTCTCTTCTCTGG
12486 TTTGGCTAACACTGAATGACATCCCATGAAATATGGAATAGCATTCTTCATTTAAATGTA
TGAGATAGGGGAATATCTAAGCTATTCTAGTAAATAATAGTAATAATAAATGTAATTGGA
TATGCTGATCCCTTTACATTGTCATTGTTGACTTCCTAAAATTTTAAAGTGCAAGATTT
TTGTGTTAAGCCTATTAAGTTATTGTATCTCATTTATTCAATAAAATAAGTATTTTAGGA
TGAGTGCAAAAAATGCAAGAGCAAAATTTGATGGGTGTAGTCTACCTTGTAGGTTTTTTT
[-, T]
CCTTCCCTAAAAGGGCTTTTTTCATCGAGATGTTTATAATAAAAAAGTGAGCTGATTTT
TAATAGAGTCCAGAGGAACCTCAATAACCAAATCCAGAATTCTTAATGGTTGATGAATAT
TAGAATATTAGTCAGCTAACTTTAATTTCTGACCCCAAAACAAGCACAACACCCTCAA
GTATAATCTGTAAC TAGCCCTTCTTGCTGTTGTTTCTACACAAGCAGCCTTTTGGGGAGA
ATATTTCTCCAACAACCTTTTGGTGCATCCGGCAGCCAGCTCTCTTCTTGGCAGACAGC
13904 AAAAAACACCCCAAAGTTTTAGTTATTAAGAAAGCAAACTAAGCCTGATGAAATGTGT
GGGGGTGATGGATATGCTCATTATCATGATTGTAGAGATGGTGTGATGTTTCATGGGTAT
ATACATATATCAAAATTTGGCAAATTATACACTTAAAATATGTGCAGTGTATTATGTCAA
TTGTACCTTAACAATTGTGTTTAGAAAAAGCAAAACCCTGTACCATGATATATGAAAC
CCTTAAGATTGTTAAACTGGCTGAATTTGCAGTTACTAATGATAATCATTATGAAACTTG
[A, G]
TACTTTCAGCTGAGTGTGCTTTTTAATCTTGGGTTTCATACCAGCCAATTTTATTGTTTT
TAGCTCAGAGAAAAATCATAGGCTTTGTTTTTGGTACCTTTATTGGGCAAGTGAAGAAGG
AAGATCAAAATGTAGTTGATAATATTGTCTACATACTAGGTTTCCAACCTTTCTAAGAGT
GGAAAATTTGGAACATTGAATTTCTGATTAGAATGTGTTTGGGTGTCAATTTTCTCAGTC
TCTCCACATGCAGCAGTCACTTAGCATTTTAATTAAAGTTTGGTTGATGTTTCCACTTC
25445 ATGGAGTAGAGTAAACATTTGCATGATTTTTGACTTTATAATATAATTTTTGATAGGTT
ACACATTCACATGGCTCAAAAAACATCAAAAGATCAAGTTTCGAGTTTCTCCTCATCCTT
CTCTCCCTTTTTGAGTTCTCATCCTCTTCCCCAAAAGGTAACCACTGTTAAGAGTTTC
TTCTGGATCCTTTTAGAATTGCTTTATGCACACATTAGCAACTTAAGAATACAGAGTCTT
ATTTTCCCTTTCTGATAAAAGCTAGCATATTATACACTTCTGGTTTTTTTTGTTTTTT
[T, -]
TTTTTTTTGCTTTTTTCATATGACACAATATCTTGGAGATATTTCCATGTTAGTGTGTAG
AACATTTCCCATTTCTTTTTTTTTTAAACAGCTCAATAGCATGTTCCATGGTGTGTTGT
AGTATAATTTATTTAACCATTTCCTGTTTCATGCGCATTTGAGTTATATTAAATCTTTTC
TTATTAATAATATCACTGCAGTGGATAACCCTGAACATTTGTCAATTCACAAACATGCCA
CTATTTCTGTCATGAATTTTAAGATAAAACATAACATTTCAAGAAATGTGCTGTTTTTAG
26805 GAACAGTAGATGGTGGTAATGTAACATGCAGACCAACTATTAAGACATGTCAACATTTCC
AATGGCAGCATTAATTCAAGGTGCAAAATGTCTTAATTTAATTACAGTCTACCAGTACTT
TTAATTTACCGGCTAAATTAATAAAAGGCTAAACATAGGTATTTAACAACTTTTAATT
TCTCCCTAGGAAAAGCAGAAATTTGGCTGAGAAATAAATCTGAAGAAATCTTTTTATCTTC
ACAGACCATTGTAAC TGGCATGAGCCAGATCTGGTTTTTCTTGCCATCCATGTATTAGAT
[T, A]
GATGTTTCTTAGCTTGTGTGTACACAAAGGTATATGTGTATTCTTTCTTTTTTAAAGAA
AAAGGCATCAATTTAACCAAATTAACCTCTCCAGTGTCCATGAGAATGGCAAAGAGCAGT
TTGAGTCTGAAGCATCTGAAGCAGCCACCGCCTTTGTACTCCAGGAAC TGACATTTGGGC
TGAAAATAGGATGTGAATGCCAATAGCTCTATTAGAAGGGCCAATGGGATGAGAGATCAG
GGTCTCTTAGAAGTTGAGAGGGATCTGAGCCACTTCCATTTCTTTTGAAGTCTATTTAACT
28010 GATGATAAATCTAGAGGAAGTGCAGGGAGTGGAGGTTCTTCCGTGAAGGATATCTCAACT
TACCTGATGGAGGGGAAGTATGGCTCATATCTGCAATCCCAACATTTTGGGAGGCTGAGG
TGGGTGGATCGCTTGAGCCAGGAGGTGGAGAGCAGCCTGGCCATTTATGGTGAAACCCCTG
TCTTTACGAAAAAATAAAAAATTAGCCAGGCATGGTGGCACATGCCGTGTAGTCCAGC

FIGURE 3, page 110 of 141

TGCTTGGGAGGCTGAGGTGGGAGGATTGTTTGGAGCCTGGGATGCAGAGGTTGCAGTGAGC
[G, A, C]
TAGATTGCGCCATTGCACTCCAGCCTGGGTGACAGCCTGCCTCTAAATAAAATAAAATAAAT
AAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAT
GAAGATGGCTAAGGGAGGGGTTTATCATTTAGGTTGATGGTTGTACCTTAGTTGGTGAA
ACCAAGGCTTGAAATTACCTTCTAAGGTACAGTTGGGCAGTTTTTTCACCTGCTTTTT
CCTTTTTTCTGATCCAAGGGCGAGCTTGCTTCACCTTTCTTTCCAGATGTAGCAGAAGGA

28107 CCCAACATTTTGGGAGGCTGAGGTGGGTGGATCGCTTGAGCCCAGGAGGTGGAGAGCAGC
CTGGCCATTATGGTGAAACCTGTCTTTACGAAAAAATAAAAAATTAGCCAGGCATGG
TGGCACATGCCTGTAGTCCCAGCTGCTTGGGAGGCTGAGGTGGGAGGATTGTTTGGAGCCT
GGGATGCAGAGGTTGCAGTGAGCCTAGATTGCGCCATTGCACTCCAGCCTGGGTGACAGC
CTGCCTCTAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAT
[C, T, G]
TACCCGGTAGATATGGAATTGCTGAAGATGGCTAAGGGAGGGGTTTTATCATTTAGGTTG
ATGGTTGTACCTTAGTTGGTGAAACCAAGGCTTGAAATTACCTTCTAAGGTACAGTTGG
GCAGTTTTTTCACCTGCTTTTTCTTTTTCTGATCCAAGGGCGAGCTTGCTTCACCTT
TCTTTCCAGATGTAGCAGAAGGACTAGCCTCAGGCAAGCAAGGCTGATGTCTTAATAAAC
TGTCTAGACCATGGCATCCCTGGGGCAAGAGAGCCTTGATGTCTTGCTGTGTTCCTCAGG

28107 CCCAACATTTTGGGAGGCTGAGGTGGGTGGATCGCTTGAGCCCAGGAGGTGGAGAGCAGC
CTGGCCATTATGGTGAAACCTGTCTTTACGAAAAAATAAAAAATTAGCCAGGCATGG
TGGCACATGCCTGTAGTCCCAGCTGCTTGGGAGGCTGAGGTGGGAGGATTGTTTGGAGCCT
GGGATGCAGAGGTTGCAGTGAGCCTAGATTGCGCCATTGCACTCCAGCCTGGGTGACAGC
CTGCCTCTAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAT
[T, C, G]
TACCCGGTAGATATGGAATTGCTGAAGATGGCTAAGGGAGGGGTTTTATCATTTAGGTTG
ATGGTTGTACCTTAGTTGGTGAAACCAAGGCTTGAAATTACCTTCTAAGGTACAGTTGG
GCAGTTTTTTCACCTGCTTTTTCTTTTTCTGATCCAAGGGCGAGCTTGCTTCACCTT
TCTTTCCAGATGTAGCAGAAGGACTAGCCTCAGGCAAGCAAGGCTGATGTCTTAATAAAC
TGTCTAGACCATGGCATCCCTGGGGCAAGAGAGCCTTGATGTCTTGCTGTGTTCCTCAGG

28178 GGTGAAACCTGTCTTTACGAAAAAATAAAAAATTAGCCAGGCATGGTGGCACATGCC
TGATAGTCCCAGCTGCTTGGGAGGCTGAGGTGGGAGGATTGTTTGGAGCCTGGGATGCAGAG
GTTGCAGTGAGCCTAGATTGCGCCATTGCACTCCAGCCTGGGTGACAGCCTGCCTCTAAA
TAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAT
ATATGGAATTGCTGAAGATGGCTAAGGGAGGGGTTTTATCATTTAGGTTGATGGTTGTAC
[G, A, C]
TTAGTTGGTGAAACCAAGGCTTGAAATTACCTTCTAAGGTACAGTTGGGCAGTTTTTTC
ACCCTGCTTTTTCTTTTTCTGATCCAAGGGCGAGCTTGCTTCACCTTTCTTTCCAGAT
GTAGCAGAAGGACTAGCCTCAGGCAAGCAAGGCTGATGTCTTAATAAACTGTCTAGACCA
TGGCATCCCTGGGGCAAGAGAGCCTTGATGTCTTGCTGTGTTCCTCAGGCAAGGAGGGG
TCACTTGATTTGAAGACCTATCTATCTCTTCAGGTCCTGCAGTAAAAATAGAGACGCG

28356 AATAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAATGTACCCGGT
AGATATGGAATTGCTGAAGATGGCTAAGGGAGGGGTTTTATCATTTAGGTTGATGGTTGT
ACCTTAGTTGGTGAAACCAAGGCTTGAAATTACCTTCTAAGGTACAGTTGGGCAGTTTT
TTCACCTGCTTTTTCTTTTTCTGATCCAAGGGCGAGCTTGCTTCACCTTTCTTTCCA
GATGTAGCAGAAGGACTAGCCTCAGGCAAGCAAGGCTGATGTCTTAATAAACTGTCTAGA
[T, C]
CATGGCATCCCTGGGGCAAGAGAGCCTTGATGTCTTGCTGTGTTCCTCAGGCAAGGAGGG
GGTCACTTTGATTTGAAGACCTATCTATCTCTTCAGGTCCTGCAGTAAAAATAGAGACG
CGGTTTATATCAGCCAAGTGTCTTAATGCAATAGAATCATTTAGTCTGTAAAAATTAGGAA
GTAGTGTCTTACTATAAGTAATGTACAATGTGAATGTCTTCATTAGTCTTTGGTCAATGG
ATAGATTGCTGACAATGTGAGGCACTGTTTCAGACAGTGAACAAAACAAAGTCTCTGTTC

29535 TCCAGTAGCAGGATACAGTATTCTTACTTATGTTTATGTTTCTGTGTCTGGGCAATAGTG
CAAAGAGACCAAGTATACTGTGTGTTAATCAGTTCCCTTTTTCTGGAGAGTTGGAACCAT
TTTACAGGGGAGTAAGGCATGAATGAGGGTGGGGAGAAGGGTACTTGGGTTTTCTTCCG
AAGGGCTTCATTTTACTGCCTTGAGATCAGTGAAGACTTTCACCTTTCAGGTCTCTGGCT
GGTTCTGTCTGTCTCTGCCTCATTGTGTGTTTCTGCTCTGCTGAAGAGATTTCACTG
[A, G]
ATGAATGGGCGCTATGGAATTGGAATAGAGAGATCTAGATGGTTGCCCATCTCTCCCTC

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TGTAGACATGGTCTCCTTGCCATGTTAGGAGTTAGGTGTTTTTCAGAGAGACTGTGTTTT
CCAGATTTTCAGCTTCATGCAGTGCCTGAAGATATTTTATCTCTAGCAAGGGTCAGGAC
ACTCACTGTGTTTTTCCCTTATCATGGTTAGATATGAAGGACCTCAGGGGAAATCATCCA
CTTGGGGCCGAAAAGCATCCAGACACTCTCATTTTGGTTTCTCTGGGGAGCTCATGGTT

31808 GATATGCGGCGTTATTTCTGAGGGCTCTGTTCTGTTCCATTGATCTATGTCTCTGTTTTG
GTACCAGTACCATGCTGTTTTGGTTACTGTAGCCTTGTAGTATAGTTTGAAGTCAGGTAG
CATGATGCCTCCAGCTTTGTTCTTTGGCTTAGGACTGACTTGGCGATGCGGGCTCTTTT
TTGGTTCCATATGAACCTTAAAGTAGTTTTTCCAATTCTGTGAAGAAAGTCATTGGTAG
CTTGATGGGGATGGCATTGAATCTAGTTTTAGAGAGAGCGATACCAGCCCCAGATTAGAG
[C, T]
TGCTTGGACATTGAGGAATCTCCCTTTAGGCTGAGGACTAAAAGAAAGCTGTGGGTGTA
ATATCTAGATACTGCATGTCTATTGTTTATGTAAATACAACCCATTGACTTATCTTCA
TCTCTTTATGCCCTCAAGATATCACAGTTCCCTTAAGAGATTCACTACAGTCAACTTTA
TGCTCAAGATATCACAGTTCCCTTAAGAGATTATAATACAGTATAGACAAGAGAGGGA
AATCAGCCCTAATTTAGCTGCTAAGATAGTCATACCTATTAGCTCTCCATCCTCACAG

32807 GAGGTACTTTTATCTGGAGCTGGAGAATAGAATACAGAAAGAAATTGTATATGGTAATAG
TAGCATGGTGTATGCATATGCCCAAACCCATCAAATTGTATACATTAAAGTGTGCAGGTTT
TTTGGTATATAAATTATATCTCAATAAAGTTGTTATAAAGAGGAGAAATATGTACATTAA
TTTTTGTGTTTTACACATATTTTTGATGTTACTGTAAACTATTATGACTTAATATTCAT
ATTTTCTGAACCTTAGAAATGTAACCCATAACAAATAAAACCTGGTTTTTGAACATGTAA
[T, C]
AAAAGTCCCATCAGAGGCACACCATTCTGATGCCCCTTAAATGTACAGATATGTGCAT
TTAATTATTCCATATAGCCCTTTCAAGAAGCCAAATTAAGCTCCATCTACATAGTGTGAA
GTATATGCGTTTTAATGGACTTGTATCAAAGTATGCACACAATTGACTCCCATTGCAATTG
ACAGATGATGTTTTAGTTCTTTTAAAGTGTCTGTAGCCTCCTGACTTCCCCATCTGCA
ACCACCATCTTGACCTCTTTTCAAGAACTTACTGTATTGACAGACACATAGAGGGTTGA

34531 TGTGCTTATTGGCCATGTGTATATCTTCTTGGGAGAACTGTATTTGTTTGTTTTTATATT
CCCAGTCCCCCATCCAGAACTGGGCATACTGTAGGGACTCAAAAATGAAAGTCATAAATC
ACTTGTAGCAGAATCACCTACAGCTCCGAGAACTCAGCTGAAACCTGCTATAGATCAAAC
TTTCCACACTTAGGCCTAGAGATCTACATTTAAACAAGATCCTGGGGGTCTGTCTCACT
CTGAAGTTTGAAGTAGATTGCCTTAACTAAAGATTTTTTAAACATCTGAAGAGCTTCAGT
[A, G]
TATTCAGAGGTAAACATGATCTATGCTGTTCTAGACTGCAGAAGTGGGACTAGCAGACAA
GAATCACAGGCAGGAGCACATTGCCTCATTAAAGTGGTGTCAAGTTGAGTTAGCTGGCCC
ATCTGCCACAGAAGGAAGTCTTGCAATTGGGTAGAATGTAGGGCAGGTAGGGCAGGATGTA
GTCTTTCTGGGGATGTTATGCTATTTCTATACCTGGTAGACCCCATCTAATTTTTATTCT
GCCTTATGATCAGATAGTGTATCTCGGTGTTGGCTATATATAAAATGACAAAGTCTCTTC

35318 CTTAGCATATTGACCGAGCCCCAAAAGGAATTTATTATAAATTTAATGGGTGGGTACAG
ATTCACCAAGGATTTCTGGAGGGCCAGACTAAGGACAACCTCCCTGCCATCACTGGTGCT
GGGGCCCATGGCACTGCTGCCTAGGAACCTCCATCGTGTGCTGCCTCTGCTACCACCACAGT
GCCTTCTTGAGGCCCTCATCTTGTATGTCATCAGCACCCAAATCTGAGTCCAGGGCATC
AGACTGTAGCGTACACCATGTTCAATCAAAGATAACTGAGTTGATAACGAATGAATTCA
[A, G]
TGGGCACTAGTAACAGTAGGCACCAAAGAGCAAGTAAACAAGTAAAAACAACAAACAA
ATAAAACCCAAAACCTCCTCTAGGAGCTTACATTTAGGGGAAGAGCTGAGGCACACAA
AAGAGCAAGTAAACAAAGTAAACAAACAAACAAATAAACCCAAAACCTCCTCTAG
GAGCTTACATTTTAGGGGAAGAGCTGAGGCACACAAAACCTGTTAGGCAACAACATTTCC
[T, C]
ATACCAAGGAACACGATTTAGGGTGACAGAACATGTGTGTAGCAGTATAACTACAGTGT
GTGGAGTAATTTTATATTGTTGTGTAACCTGGGAATAGATGTACATGGCAGCTCCTATT
TTCCCTGGAACCTCTGATCACCACAAAGGTATTCAACCTTGTGATCTGAACCGGAGAAC
TTCCAGTTAAAGGCTAAAATGCCCTTGCAGACTTCTCTCCTCTGCTGCCCCCTCAT

35463 AACTCCATCGTGCTGCCTCTGCTACCACCACAGTGGCCTTCTTGAGGCCCTCATTCTTG
ATGTCATCAGCACCCAAATCTGAGTCCAGGGCATCAGACTGTAGCGTACACCATGTTCAA
TCAAAAGATAACTGAGTTGATAACGAATGAATTCATGGGCACTAGTAACAGTAGGCACC
AAAGAGCAAGTAAACAAAGTAAACAAACAAACAAATAAACCCAAAACCTCCTCTAG
GAGCTTACATTTTAGGGGAAGAGCTGAGGCACACAAAACCTGTTAGGCAACAACATTTCC
[T, C]
ATACCAAGGAACACGATTTAGGGTGACAGAACATGTGTGTAGCAGTATAACTACAGTGT
GTGGAGTAATTTTATATTGTTGTGTAACCTGGGAATAGATGTACATGGCAGCTCCTATT
TTCCCTGGAACCTCTGATCACCACAAAGGTATTCAACCTTGTGATCTGAACCGGAGAAC
TTCCAGTTAAAGGCTAAAATGCCCTTGCAGACTTCTCTCCTCTGCTGCCCCCTCAT

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ACTGTAGCCTGACTTTTTAAGAAACCAACTTTGTTGAAGAATAATTTATAGACAATAAAA

35477 GCCTCTGCTACCACCACAGTGGCCTTCTTGAGGCCCTCATTCTTGATGTCATCAGCACC
CAATTCTGAGTCCAGGGCATCAGACTGTAGCGTACACCATGTTCAATCAAAAGATAACTG
AGTTGATAACGAATGAATTCAATGGGCACTAGTAACAGTAGGCACCAAAGAGCAAGTAAA
ACAAGTAAAAAACAAACAATAATAAAACCCAAAACCTCCTCTAGGAGCTTACATTTTA
GGGAAGAGCTGAGGCACACAAAACCTTGTAGGCAACAACATTCCCTATACCAAGGAACA
[C, T]
GATTTAGGGTGACAGAACATGTGTGTAGCAGTATAACTACAGTGTGTGGAGTAATTTTC
ATATTGTTGTGTAACCTTGGGAATAGATGTACATGGCAGCTCCTATTTTCCCTGGAACTCT
GATCACCAACAAGGTATTCAACCTTGTGATCTGAACCGGAGAACCTTCCAGGTAAAGG
CTAAAAATGCCTTTGCAGACTTTCTCTCCTCTGCTGCCCTCTCATTACTGTAGCCTGACT
TTTTAAGAAACCAACTTTGTTGAAGAATAATTTATAGACAATAAAAGATACCCATTTGAA

37050 TGAATACAAGACAACCTCTTGGAGGGCAACTGTCCTTTTTCTCAGATGTAGTAGAAAGGAA
GGGGACAGAGTGGGAAACAGAAGCAAGAAAAAGGATACAGAGATAGGATCATGAATAGAG
GAGGTGGATGGGTGAGGTTTGGGAATAATGATTAATACAGTCCCGATAGATAGGGTCCAG
TTGATAGAATACCTTGAAGTGGAGGCTTAATAAGTTTGTCTGATGGGAATACAAGAGA
AGATCTTTAGCAAGAGAGTGACATAAAAGTAGTATTTGAAAAATGATTATCCTTGAGCTT
[A, G]
AGGAAATCATAGAGTAACCTACCAGCCAGGAAATTTACTACAAGTGTAATTTACCCGTA
TGACCTAGCAATTCATTCTAGGTACATACCCAAAAGACATAAAAACATATATCCACTC
AAAACCTTGTACACAAATGTTTACAGCAGCATTATTCATAATAACCAAAAGGTAGAAACA
ACCCAGTGTCCATCAACTGATAAATGGATAAACAAAATATGGTATATCCATACAATAGA
ATATTATTTAGCCATGAGAAGCCATGAAATACTGATACATGCTACAGTCTGGATAAACCT

37470 CAAAACCTTGTACACAAATGTTTACAGCAGCATTATTCATAATAACCAAAAGGTAGAAAC
AACCCAGTGTCCATCAACTGATAAATGGATAAACAAAATATGGTATATCCATACAATAG
AATATTATTTAGCCATGAGAAGCCATGAAATACTGATACATGCTACAGTCTGGATAAAC
TTGAAAACAATATGCTAAGTGGAGAAGACAGTCACAAAAGACTACATATTCTATGATTC
AACTTATATGAAATATCAAGCAGGCCAAACCCACAGAAAGAAAAGTGGTTGCCAGGGGCTA
[T, G]
GGAGAGTGGGGATGGGTAGTGATTGCTGATGGATAAGGGATTTCTTTGGGGACTGTGTTA
GTTTTCCAGGGCTGCCATAATGAAATGCCACAGACTAGGTGGTTTGAATAACAGAAATTT
ATTTTCTCATGTTCTGGAGGCCGAAAGTCCAAGAATAAGGTGCCAGCAGGGTGATTTTTT
TCTGAGGCTGCTCTCCTTGGCTTGTAGATGGCCACCTCCTTGCTCTGTTTTACATGGCC
TTTCTGTGTTTGTGCAAGCGTGTCCCTGGTCTCTCCCTCTCCTTATAAGAACAACACTTA

37481 ACACAAATGTTTACAGCAGCATTATTCATAATAACCAAAAGGTAGAAACAACCCAGTGT
CCATCAACTGATAAATGGATAAACAAAATATGGTATATCCATACAATAGAATATTATTTA
GCCATGAGAAGCCATGAAATACTGATACATGCTACAGTCTGGATAAACCTTGAAAACAAT
ATGCTAAGTGGAGAAGACAGTCACAAAAGACTACATATTCTATGATTCAACTTATATGA
AATATCAAGCAGGCAACCCACAGAAAGAAAAGTGGTTGCCAGGGGCTATGGAGAGTGGG
[G, A]
ATGGGTAGTGATTGCTGATGGATAAGGGATTTCTTTGGGGACTGTGTTAGTTTTCCAGGG
CTGCCATAATGAAATGCCACAGACTAGGTGGTTTGAATAACAGAAATTTATTTTCTCATG
TTCTGGAGGCGGAAAGTCCAAGAATAAGGTGCCAGCAGGGTGATTTTTTCTGAGGCTGC
TCTCCTTGGCTTGTAGATGGCCACCTCCTTGCTCTGTTTTACATGGCCTTTCTGTGTTT
GTGCAAGCGTGTCCCTGGTCTCTCCCTCTCCTTATAAGAACAACACTTATATAGGATTAG

37499 GCATTATTCATAATAACCAAAAGGTAGAAACAACCCAGTGTCCATCAACTGATAAATGG
ATAAACAAAATATGGTATATCCATACAATAGAATATTATTTAGCCATGAGAAGCCATGAA
ATACTGATACATGCTACAGTCTGGATAAACCTTGAAAACAATATGCTAAGTGGAGAAGA
CAGTCACAAAAGACTACATATTCTATGATTCAACTTATATGAAATATCAAGCAGGCAAC
CCACAGAAAGAAAAGTGGTTGCCAGGGGCTATGGAGAGTGGGGATGGGTAGTGATTGCTG
[A, T]
TGGATAAGGGATTTCTTTGGGGACTGTGTTAGTTTTCCAGGGCTGCCATAATGAAATGCC
ACAGACTAGTGGTTTGAATAACAGAAATTTATTTTCTCATGTTCTGGAGGCCGAAAGTC
CAAGAATAAGCTGCCAGCAGGGTGATTTTTTCTGAGGCTGCTCTCCTTGGCTTGTAGAT
GGCCACCTCTTGCTCTGTTTTACATGGCCTTTCTGTGTTTGTGCAAGCGTGTCCCTGG
TCTCTCCCTCTCCTTATAAGAACAACACTTATATAGGATTAGGGCCCACTCTGCTGGCCT

40178 CTGTCTGTAATCCTAGCACTTTGAGAGGTCAAGGCGGGCTGATCACTTGAGGTTAGAAGT

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TCAAGACCAGCCTGGCCAACATGGTGAAACCCCATATCTACTAAAAAAAATAAATACAA
AAATTAGCCAGGCATGGTGGCACATGCCTGTAATCCCAGCTACTCGGGAGGCTGAGGCAG
GAGAATCACTTGAACCTGGGAGGCGGAGGTTGCAGTAAGCCAAGATGACACCACCACACT
CCAGCCTGGGCGACAGAGCCAGACTTGTCTCAAAAAAAAAAAAAAAAAAGAAAAGAAAA
[-, A, G]
AGGATTTACAAGTGGGATCTCAGTTTCATTATTATTGAGTGTGGTTTGTCACTTAACAGA
CTCTGTGTCTTAATCTCTCTGTGTCTTAGTTTCTTTATTTCAAGAGGATTTTAATAGTTT
CCTAGCACAGTACATGGTGCCAAATAACTGTCTCATGTATGGCGCTTACTATTGCCATAA
TCATCACCAGTATCACTATTTTAGTGGGTAGAGGTTTCTCATGATTATCTCATATCTTG
GTCTTTGATTACCTCTTTAGGATATTGATTTTCATCCTTTTAAGGTGCATGACAGTTTCTT

40178 CTGTCTGTAATCCTAGCACTTTGAGAGGTCAAGGCGGGCTGATCACTTGAGGTTAGAAGT
TCAAGACCAGCCTGGCCAACATGGTGAAACCCCATATCTACTAAAAAAAATAAATACAA
AAATTAGCCAGGCATGGTGGCACATGCCTGTAATCCCAGCTACTCGGGAGGCTGAGGCAG
GAGAATCACTTGAACCTGGGAGGCGGAGGTTGCAGTAAGCCAAGATGACACCACCACACT
CCAGCCTGGGCGACAGAGCCAGACTTGTCTCAAAAAAAAAAAAAAAAAAGAAAAGAAAA
[G, A]
AGGATTTACAAGTGGGATCTCAGTTTCATTATTATTGAGTGTGGTTTGTCACTTAACAGA
CTCTGTGTCTTAATCTCTCTGTGTCTTAGTTTCTTTATTTCAAGAGGATTTTAATAGTTT
CCTAGCACAGTACATGGTGCCAAATAACTGTCTCATGTATGGCGCTTACTATTGCCATAA
TCATCACCAGTATCACTATTTTAGTGGGTAGAGGTTTCTCATGATTATCTCATATCTTG
GTCTTTGATTACCTCTTTAGGATATTGATTTTCATCCTTTTAAGGTGCATGACAGTTTCTT

40787 TAATTATTTGTCTCTGTCTCTGCCACTGGATTGCAAAGTCCTTGAAGGCAGAGGCTGTGCC
TGTGACAAGTAAAGTACCTTCCACAGATCAGGTGCCCCATACACGTGCACTGAATTTAGA
AACTGGAATTAAGGTAATAGTTGAGAAGCTTTTCTTAAGTTAGACATCAAAGTGCATTAT
TTCATATGTAAGTTGGAATTCTGTTTCTGAATGAATTCATTCAATAGAACCACCTGATGT
TCTCCTTGGGAAACATCTTCACTGTTATGTGACTAAAATTAAGTGGCTTATGACACTC
[A, G]
GGATCCAAAGATTGAAATACCCCTCGTAATAGGCAAGAATTGTATCACATTACCATCAAC
AACAGCAATAGTACTAATAGTAATAATAAAAAATACCTTTCAAGAAGTTTGAATTAATTT
TGAAGCTCAATCATAGCAATAATTTCTGGCCAGCATATTTGTGTTCTTTTCCCTATTTGT
GTTCTATTCTTGCTGGTCTTAATTTTTTGTGTATTATGTAAGTTATGTCAAATTGTCTG
TGAAATGAGGCTGAGTATAAATACATTAAGGTAATAAATTATGTAATAAGAGATGTTCAA

44582 AATCCATTTCAAACCTGGAAAAGAAGCTGAATATGGGGGGAACACATTAAGAAAATTTGG
TAGCTTTGTGCTTCTCTGGGCCAGGCCATTACAATGGGTATTATCATTCTCTGAGATA
TTGTGAAACATCAGAGCAAAACCTTTTTTTTTCAGGTATGAATATCTGCCATTTTTTTGTC
TATGCTAATGTTATTATCAGCTCCCACGGGTAATTCAGCTTCCAGATCAAAGCTATTCCA
GCAAGTATGTTAGCAAGCAAATTTTTATAAACTTGCATTTTTTAGTACTTTTTTATCTCCT
[G, A]
TCACTAGAGAACTATAGAAAAAGGTATATTTATTACTGTTTGTAAAGTGTATTTTCTTTT
TCTTTTCTTTTTTGGCAGGAGAGAGTGAAAACCAATATTTTAAGAATTCTTTTTTCTT
GCTCTTTTCAACTCAGTATTTTATTTTAAATCTTTATATTTTTTTGATTGGCGAATCATC
CATTCCCTTGCTTCACTCTTTTCTTTCTTGCTCTCATTTTAGATTATCTTCTGTTTGC
TATTATTACTTCTATATCATCACCTAAGGGAAGAAGGATAACACTGGTGAATTTTAATA

45615 ACTACATTCTCTACCCCTGATTCTAATCTCTTCTTCTTTAAACATCTCCTCTTCCTTCTT
GTAGCAAAGTGGTAGTATCAGGAAATGGCTGATGCTATCAAATGGCTTAAACAATAAGA
AACTCTTGTCTCTATCAAGAAGTCTAGAGAGAGAGCAATTCTGGTTTGACTAATTCAG
CAGCTGAGCAACATCATCAGGGACGTTGGGGCCTTCTCTTACCTCTCCATGTTTCTGC
CACTCATGTTAGGGTGGCTTACTTCATGGCTCCAGCTGGCTGCCATAGTTCAAGGAGTCA
[C, A]
ATGCAGATGATCACATGCAGAGGTGGATTAAAGAAGAGTTTCTCTCATGCTTCTCTTTT
TATCAGTGAGGAACATCTTTTCCAGACCAATTATGATTACACAGGAAGTGGGGAGGA
TCCTCTTTTCCAGAGCATATGATGGTAGGGGTGTTGGGGGATGACTGTGTGGGGTAGGCA
TCATCAGTGTCTTCTCACAATAAGGAGGCCACAATATTCGATGACTCTGCCCATCTGTAT
AAATAAGAAAAATAGAATTGCTTGACCATTTGTCTCAGGTTGTGGGGGAGAAAGATAGGG

46091 AGGCAGTCATCAGTGT'TTCTCACAATAAGGAGGCCACAATATTCGATGACTCTGCCCATC
TGTATAAATAAGAAAAATAGAATTGCTTGACCATTTGTCTCAGGTTGTGGGGGAGAAAGA
TAGGGACAAGGAGGAGCTGTATATGATTTTAAGGGGAAGTTAGAATTGACCCAAGGCATC
CTTGGTTGTAAAGAGAAC'TTTTAGAGAAGTAAATAGAAAGAAGTTCCAGAAAGCTGTCTC

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CTCCATGAAGGGAATCCACTCATATTGTAGGTAAAAGAAGAGGGAAGGGCAATTTTTTCT
[C, T]
CACTCTTCTACGAGACAGCCCCAGCAGCTTTTATGGAGGCTGTGACTTAGAAATGGGGG
GAAATGGCTGTATGTTGTGAGGGGCACAAATGCACAAGCTTTTTTAACACTGCCTGAACA
AATGCAGACTTTTGTGCTCCCGAGTGAATTAACATGCTCTGATGCATTTTTTTGGCTT
GGCTATCAACTCTTTGGTCATGTGCTTGGGGAAGGGCTTTGCATGACACAGCGGTGAGAC
ATTTTATCTTTCTCCATGTGACTTCCAGGAAGCCCTCTAGGGAAATGCAGGACATGGTC

47844 GCTTAATGGGAGGGTTCCTCATGCTTATTTTAAAGATCTTGCTATGTAAAGCTTAAATAT
TTTTTGGAAAAATGGGGAATAAATGGGTGGAGAGGAAGGAAGAAAGAAAACAAGGAGGG
AAGGAGAGGTTTATGAACCTGACAGTTTTACAGTTTTATATGTCTCTTAAAAAATCTCC
TCCTCCCTGTAACATTTTAAATCCACATTCCATAATGTATAGTGTGATTTTGTGTATGT
TATGTATGTGTTTACTCTAAGGAAATATACAGCATATATAAAATATTGTAATATATAATA
[T, C]
AATGTATAAAGTCATTTTTTAAAGAGTCATATGCTGATTAACTTTCATAGCCTATTTCAG
GTAATGCAAAATGCAGACACTCTTCTACTGGATATTGACTTATACAGGGCAAATGGTAAAG
AATGATACATTCAATTTATTTTGTCTGCTTGGCTCCACCCAGGGAAAAGGCAATGCAGCAA
GTATAAAGCGGTTTGCATTTGCAAAAGTGAACATCCTGAAGCTCTAGTCCGTGGATTTTG
CCTTTTCTTCTGCTCAAAGAAAGGTTAGGAATCCTACTGCCCACCCCGAGTCTATTTT

48013 AAAAATACTCCTCCTCCCTGTAACATTTTAAATCCACATTCCATAATGTATAGTGTGATT
TTGTGTATGTGTATGTATGTGTTTACTCTAAGGAAATATACAGCATATATAAAATATTGT
AATATATAATATAATGTATAAAGTCATTTTTTAAAGAGTCATATGCTGATTAACTTTCA
TAGCCTATTTCAGGTAATGCAAAATGCAGACACTCTTCTACTGGATATTGACTTATACAGGG
CAAATGGTAAAGAATGATACATTCAATTTATTTTGTCTGCTTGGCTCCACCCAGGGAAAAAG
[G, T]
CAATGCAGCAAGTATAAAGCGGTTTGCATTTGCAAAAGTGAACATCCTGAAGCTCTAGTC
CGTGGATTTTGCCTTTTCTTCTGCTCAAAGAAAGGTTAGGAATCCTACTGCCCACCCCG
AGCTCTATTTTAGCATTTATCATGAAGTTGTCCAACATTTATATACTTGTGCGCTCCC
CATGGGACTGAGCTCTCTTGGAGGGCAGGAGTTTGTCTTTTTCGTCTTTATATCTCCAG
CACATGGCATGGTATTTGGCACATAGAAGATAGTTAATAGACAGTAAAGTAACAGAAGCG

48072 TTTGTGTATGTGTATGTATGTGTTTACTCTAAGGAAATATACAGCATATATAAAATATTG
TAATATATAATATAATGTATAAAGTCATTTTTTAAAGAGTCATATGCTGATTAACTTTC
ATAGCCTATTTCAGGTAATGCAAAATGCAGACACTCTTCTACTGGATATTGACTTATACAGG
GCAAATGGTAAAGAATGATACATTCAATTTATTTTGTCTGCTTGGCTCCACCCAGGGAAAA
GGCAATGCAGCAAGTATAAAGCGGTTTGCATTTGCAAAAGTGAACATCCTGAAGCTCTAG
[T, A]
CCGTGGATTTTGCCTTTTCTTCTGCTCAAAGAAAGGTTAGGAATCCTACTGCCCACCCCG
CAGCTCTATTTTAGCATTTATCATGAAGTTGTCCAACATTTATATACTTGTGCGCTCC
CCATGGGACTGAGCTCTCTTGGAGGGCAGGAGTTTGTCTTTTTCGTCTTTATATCTCCA
GCACATGGCATGGTATTTGGCACATAGAAGATAGTTAATAGACAGTAAAGTAACAGAAGC
GTGAGATTTCTGCTCAAAGTCTTTGGCAGTTTGTTCCTCAGTTGCTGATGTCTGCCAT

50802 TCTGATAAAATAAATGTCTGTATGTTATTTAGGAGGGGTGACAGGCTGGAATCACTGAG
CAAGTGACAAACTGTCCCTTGACTTGGTAAGTTTCCATGCTGTCTTTGGCTGATACAGAT
CTCGTATTAAGTGATATGCAATGAGAGTTTCTCTGTGAGCTCAGTGACGTGATTTTAGG
TAAGGAAGGTGAACGTCTCCGCATCAGCTAGAGAGATTATAATAGATATCACCTGTCTTA
ATAGCCCTACCTTCATCTGCTAAACTGTGGACAAATGAGATTTTATGCTTTATCATCAAG
[G, T]
TGCCAGACGGGGCTCAGGTATTTACATTTTATATGTAAAATTGCTCATGCTCTGCTGCAC
AATAGTTGGTGTGTTGCAAGGAAAAATAAGTATCCTGAAGCTTTTGTAGGCATTTATTCCT
TCACAGCAAGAGAATATTGCAAGTTGTAAGACTTTTATATTGTATGCTTAACCACTGTG
ACTTTTATAACTGCATGCTAGCTGGGGTACAGTAAATTACTGAAAAGCTCTATGAAGATG
TCTTTGTGCTTCGCTGCTGCTTTGTAACTCTCAGTAGTTAAAAAAGTGTCTTGTATGT

53305 CTTTCATTTATACATGTTAGAAATACTAAATATCTCTATTAATGTTTGTAGTTAATTTTT
CCTGTTAAATACTGGTAGTAATGAAGTATGATATGCCAAGGATAGTTTTAAAAAGAAAAAT
AAATAAATATTGCTCCTATTGATATTAAGTCGATATATTTGGAAAAATTTAAGCTGAGAG
AGAGAAGCATGCCTGTGAGTGTGTGTAATACATGTAATACATACACAGAGGCAAGAGAG
AGACACAGAAAGAGGCGAGACACAGAAGGAAAGATAGGCAAGAAAGAATAAGATACAG
[G, A]
GAGACAGAGTGATGGATTACATATATATATGTGTGTGTGTGTTGTGTGTGTGTGTGTGT

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GTGTGTGTGTGTGTGTATGAACACACATAGAAAGAGACAGACAGAAATAGATAACTATAA
GAGAAACCAAGAGACACTGAAACATCTAGAGAGGTGGAGGAAGGGCCACCCAGCAATAT
TGCTCAAGATTAGTTCCATGGCTGCCCTTATAGAACTGTAGGATACACAGATGAGGAGGT
CAGAGGCCTTGGGGAAGCAGGACAGGAAAACAGGCCAGGTCCCACCAGGAGACACAGTG

53379 GTAGTAATGAAGTATGATATGCCAAGGATAGTTTAAAAAGAAAATAAATAAATATTGCT
CCTATTGATATTAAGTCGATATATTTGGAAAATTTTAAGCTGAGAGAGAGAAGCATGCCT
GTGAGTGTGTGTAATACATGTAAATACATACACAGAGGCAAAGAGAGACACAGAAAGAG
GCAGAGACACAGAAGGAAAGATAGGCAAAGAAAGAATAAGATACAGGGAGACAGAGTGAT
GGATTACATATATATATGT
[T, -]
GTATGAACACACATAGAAAGAGACAGACAGAAATAGATAACTATAAGAGAAACCAAGAGA
CACTGAAACATCTAGAGAGGTGGAGGAAGGGCCACCCAGCAATATTGCTCAAGATTAGT
TCCATGGCTGCCCTTATAGAACTGTAGGATACACAGATGAGGAGGTGAGAGGCCTTGGGG
AAGCAGGACAGGAAAACAGGCCAGGTCCCACCAGGAGACACAGTGTCTAATAGGCAAT
ACCAGATATATGAGTAGGTCAACCTGGGCATTAATTAATGGCTCTGTACCCTTGATG

56233 AACCATATGTGGCTCCTCGCTACCGTATTAGACATACATAGTATATGTTGCTATAACTTT
CTTTCCTGTATTAATTGAAAAATTTATAATTTTAATGTAATTTTAACTACCAGAAAT
GTTACAAGAGTAACACAATGAACCTCCATATGCCCTTTATCCAGATTCCCAAATTGTTAT
TTTTCCACATTTGCTTTATCTTCTACCTACATTTTTTAATGAACCATTTGAGAATAAGT
TTCAGACATGATGCTCCTTTGCTCTAAATATAATACAGCTGTGAGTATTTTCTAAGACCA
[A, G]
GGACATTCTTTTATGTAACCATAGTACAGTAATCAAAATCAGGAAATCAACAGTGATACA
ATGCTAGTATGAAACCCAGTGGTTCTCAAAGTGTGACCCGAGACCAGTATCATCAGCATC
ACTTGGGAACCTGCTAGAAATACAAATTTCTTGCCTCTACCCAGCCAGCTGCATTGAAT
CAGAAATTTCTGGGGGTGGGGTTCTGGCAATCTGTGTTTTGACAAGCCTGCCAAATGAGCC
CAAAGCATACTGAATTTGAGAATCACCCATCTAATTCACAGTCTATATTGTCTGAATTA

56453 TGAACCATTTGAGAATAAGTTTCAGACATGATGCTCCTTTGCTCTAAATATAATACAGCT
GTGAGTATTTTCTAAGACCAAGGACATTCTTTTATGTAACCATAGTACAGTAATCAAAAT
CAGGAAATCAACAGTGATACAATGCTAGTATGAAACCCAGTGGTTCTCAAAGTGTGACCC
GAGACCAGTATCATCAGCATCACTTGGGAACCTGCTAGAAATACAAATTTCTTGCCTCTA
CCCAGCCAGCTGCATTGAATCAGAAATTTCTGGGGGTGGGGTTCTGGCAATCTGTGTTTT
[G, C]
ACAAGCCTGCCAAATGAGCCCCAAGCATACTGAATTTGAGAATCACCCATCTAATTCAC
AGTCTATATTGTCTGAATTACATTCTTAGAAGGGACAGTTCTATAAGATTTTTGTGTGTG
TTGCAGAGGATCTCATCCGGAATCATCTGTGTGATTTTTTAATGATGGGTGGTTTCAGT
GGGCTGAGCTGCTCTCCCGGGAGGGGCTGTTGCCATGGTGATGGCTGCTGGCAGTGCTGA
GAGACAGCTGTGGGGCCGCCTGGGCTCTGTGTGCCACTGAGCTGGCAGGTTGCCACTTCC

59300 TGATTTAGGAACCCAGTACTTCACCTTTAATTGTAATATGTTTGCAGTTAAATACATTC
CTAATTTTAAACAATTATATAATCATAGTATAATTATCAAACTAGGAAAATTAATATTT
TACTAGTTTTCCCTTTTATGCCTTTGGTCTATTCTAGGATCCAATCCAGGATTCTACATT
GCATTTAGTTCTATTTCTTTAGTCTCCTCTAATCTGTGACAATTTCCCTTTCTGCCTTG
TTTTTTATGAATTTGACACTTTTGATGGGTAACGGCAAGCTATTTGTAGAATGTCTCT
[C, T]
AGTTTGGGTTTGTCTAATGTTTTATCACGATTAGATTGAGGTTACATATTCTTGGCAAGA
CTACTACAATAGTAGTATTGTATTCTTCTCAGTACATCATATTAAGGGGTACCAGCTGTA
TCTTATTACTGATGATGTTAACTTTGATCACTTGGTTAAGGTTCTGTCTTGTGGGGTTTT
TCACTGTAAAGTTACTATTTTTTCCCTTTGAAATTGATAAATATCCTGGGTAAGATAGTT
TGAGAGTTTTCTATTAATAATAGCCTGTTTCTTTTCAAATCTTCACTCATTAATTTTAGT

60998 ACTGGCGCGTGCCACCACGCCCAGCTAATTTTTGTATTTTGTAGTAGAGATGGGGTTTCTC
CATGTTGGCCAGGATGTTCTCCATCTCCTGACCTTGTGATCCGCCCAGCTCAGCCTCCCA
AAGTGTCTGGGATGACAGGCGTGAGCCACCGTGCCCGGCCGCAAAATCTTAACCACTAATA
GGCCTGCTAGTAACTTTGAGGCAAGTACTTTCGAACTGATTGTACTATAAAACGGAACA
TTTGAAATTTCTCATATGTTTCTTTTTATGCAAACTATTTAAACAAACCAAGTAAGC
[G, A]
GGTTGAGTTTTGCAATCTTGAATCTCTAGTGCCTGTCAATAGACTATTAGAAGTAAATTT
GGCAATGACGTGCAGCCACCAGGCTTACTAGTTCTCAGAGGGTCTTGTAGAAGTTTCTA
TTGGGTGTGTTGTCTAGTATTAGAAACAAATCTTTTCTGTGCTTCAGAACAACTGCT
TATAGTCTGAAGCCTGTTTGGGACCACCACCCCCAGAATTGGTTATTTATAGATGAGG

AACACCCCTGGAATTTGACCATTGTGACATTGATTGGTGATCATCCTTCCTACTGTGAAC

63013 ATGTCAATCCAGTGAATTAATAAGGGAAGCTTTTTTCATTATTTTATTTTGTTTTATTTTG
CGATGGAGTCTTGCTCTATTGCCCCAGTCTTGAGGGCAGTGATGGGATCTTGGCTCACTGT
AACCTCTGCCTCCTAGGTTCAAGTGATCCTCCTACTTCAGCCTCCCGAGTAGCTGGGATT
ACAGGCATGTGCCACCACGCTGGCTAATTTTTGTGTTTTTAGTAGAGACGGGGTTTCAT
CATGTTGGCCAGGCTGGTCTCGAACTCCTGACCTCAAGTGATCTGCCTGCCTTGGCCTCC
[G, A]
AAGTGTCTGGGATTACGGGCATGAGCCACTGCACCCAATCTGCATTTACTGAGTCAGAGTT
ATTGATGATAATGATAATGATAGTTGATGATAATAGGGATATGCATTTTAAACAAGCAAC
TTGGAAGATTTTGATGCATAATATTTGAGGTCCACTGGAAGAATGCTTATTTAATGGAGA
TATGGTAGGGTGTGAAGGAAGAGCATTTTAAGTTGTCACTCCAGCGAATTAATAACGGAA
GCTTTTTTCATTTTAAAAATAAAAGCAGGACAGAATAATTTTTGAAGTTCCTTTTAGCCTT

63293 ATCTGCCTGCCTTGGCCTCCGAAGTGTGGGATTACGGGCATGAGCCACTGCACCCAATC
TGCATTTACTGAGTCAGAGTTATTGATGATAATGATAATGATAGTTGATGATAATAGGGA
TATGCATTTTAAACAAGCAACTTGGAGATTTTGATGCATAATATTTGAGGTCCACTGGA
AGAATGCTTATTTAATGGAGATATGGTAGGGTGTGAAGGAAGAGCATTTTAAGTTGTCA
TCCAGCGAATTAATAACGGAAGCTTTTTTCATTTTAAAAATAAAAGCAGGACAGAATAATT
[T, A]
TTGAAGTTCCTTTTTAGCCTTAAACATTGCAGGGGTTTTTTTTGTTTTGTTTTTGTTTTAA
ATTCAAGGCTTCTGAGAATGCTCTTCTTTTGTCTTTAAGGTTGTAGTGCTTTGATTGCC
AATGTTAATACAAGGATTAATTTTTTAAATCAAATCCTTTTAGGATTTAAATTTGATAA
TAACAAATCAAAGGTGGGGTTAAGAACACTGAATTTGGGTTGTTCTTCATTTCTTTAAAGC
CTCGACATTTCAAAGGCAATCTGTCAATTGGCTAACTGGGATGGTGAAAGGAGGAGATACT

64181 TTACATTTTCATCAAAAAACATTAGCTTTTTTACTTTAAAGACAGCTTAGAGAAAGAAAGTAA
TGCTTTTTCATATTGCTGAGTTAAATCAGACTAAAACTGTATTTCTTTGTTGTGTCAAAA
TCATAATTTGTTGTGTCTAAATCTTTGAGTGACTTGTCTATCATAATTAATCCTTAGAA
AAAATCAGAGGTTTTTGTGTTTTTGTGTTTTTTGAGATTGGGGTTTCATTCTGTCTCAC
CAGGCTGGAGTGAGTGGTGCAATCATAGCTCACTGCAGCCTCAATCTCCTGGACTCAAA
[C, T]
GCTCTTCCCGCTCCACGCTCGCAAGCAGCTGAGAATATAGGCATGACACCAGGCTGGGCT
AATTTTAAATTTGTTTTTTAGAGATGGGATCTTGCTATGTTGCCAGGCTGGTTTTCAAGC
TCCTGGCATTAAAGTGATCATCCTACCTCAGCCACCTGAATTACTGGGATTACAGATGTGA
GTGATTGCATCTGGCTGTGTTTATTAAAGAACACAGTAAATGCAAAACAAATAGTTTTTC
TTGAGGATAAACATGTAAATGGAAATAGGAAGAATAACTTAAGAAGCACAAAGACACAGA

64191 TCAAAAACATTAGCTTTTTTACTTTAAAGACAGCTTAGAGAAAGAAAGTAAATGCTTTTCAT
ATTGCTGAGTTAAATCAGACTAAAACTGTATTTCTTTGTTGTGTCAAATCATAATTTG
TTGTGTCTAAATCTTTGAGTGACTTGTCTATCATAATTAATCCTTAGAAAAATCAGAG
GTTTTTGTGTTATTTTTGTGTTTTTTGAGATTGGGGTTTCATTCTGTCAACCAGGCTGGAG
TGCAGTGGTGCAATCATAGCTCACTGCAGCCTCAATCTCCTGGACTCAAACGCTCTTCCC
[G, A]
CTCCACGCTCGCAAGCAGCTGAGAATATAGGCATGACACCAGGCTGGGCTAATTTTAAAA
TTGTTTTTTAGAGATGGGATCTTGCTATGTTGCCAGGCTGGTTTCAAGCTCCTGGCATT
AAGTGATCATCCTACCTCAGCCACCTGAATTACTGGGATTACAGATGTGAGTGATTGCAT
CTGGCTGTGTTTATTAAAGAACACAGTAAATGCAAAACAAATAGTTTTTCTTGAGGATAA
ACATGTAAATGGAAATAGGAAGAATAACTTAAGAAGCACAAAGACACAGATCTTGGAATA

68992 ATAGTTGTTTTCAATAGCTTTTCAGGAAAATACCAAAGTAAACAATTAAGTGTCTGTGGA
TGGCAAGACTTTAAATGATAATGGTTAAATGTCTGATGAAAATTAATTATAATGCAATTG
ACAAGAAAATTTTGTTCCTTTTCTGTATATACAGTATTTTTTAAAAATTAATAATACGA
GTGATAGTAATATGTCAAGACTATCAAGTTTCTGGGAATTTTCATATAATTTCTGGAAAAAC
ATATTAATAACATACTCATGCAATATAACTTAAAGATGGTTCAGCAACACTTATTATTG
[A, C]
CAATGCTTCCCATGCAATTTAACACATCAAATAAGCCTAATTAGTTTAACATCTCTCTTT
TTTATAAGAAGAGAGGAAAAAATTCCTTTGAGAAATTCAGAAAGTCAGTTTGGAACTTC
CAAAGTTGGTTTGAGGTGGAAGGCTTAATTTAATGCTTGATTTTGAGAAGTGGTTAA
AAATGTCAAAGGGTTTAAATAATTAATAAGGATCAGAGGTCACTGGCAACAGTAGTCA
TTTAAGCAGAGTGATAATTAATAACTTCAAAGAAAGTTACATAATTATAGAAAAACCTT

76246 ATCTGATGACTATGTGCCTTGGGGATGGTTGACTTATATGGTGTCTAACCAAGGTTCTCT

FIGURE 3, page 117 of 141

GTATTTATTCGTTTTGCATGTCATCCTCTTTAGCAACATTAGGGAAATTTTCATGGACTA
TATCCTCAAATATATTTATCTGAGTTGTTTATTCTCTCTCTCAGGAATACCATTGAGTC
ATAGATTTGGTCTCTTTATATAATCCTATATTTATCAGAAGTTTTATTCATTTTTAAAA
TTATTTTTCTTTATTTTTGTCCAACCTGAGTTGATTGGAAGAACTGGTCTTTGAGCTCTGA
[T, C, G]
ATTCTTTTCTCAGCTTTGATCCTTCTGTTAATACTTTTGATTATATTATGAAATCTTGT
AGTCAATTTTTCTCAGCTCTAGAAGCTCAATTTGGTTCTTTTTTAAATGGCTATTTTCATCTT
TCAGCTCTTAGATCATTTTACTAATTCCTTGAATCCTTGGGTGGGTTCAGCTCTCTC
CTGAATCTCCATGAGATTCCTTGTATCCAGAGTCCACATTCTATGTCTGTCTTTCAGT
CACTTTTGATTGGTTAAAAACCATTGCTGGGGAGCTAGTGGACTTGTGGAGGTAAGGG

77368 CTATTCCTGCTGCGGCCCATGAACCCACGTGACTCAACCCTCTTAGTGCTCTGAGAATGT
GGGCTCCATTCCCCTCAAGTGCCTTAGTACTCTTAGGCTATGCACTGCAGCCCTGGGGA
GAGATCAGGGTTTTTGTTCCTTCCCACCTTGGGGGCAGCAGAGGTGGGGCTGCAGTGGC
AGCAATGGCATAACAGCTGCCAGTTACCTCAGGGGGTCCACCCCAAGAAATGCATAGC
TATGGCTAATTTGAGTGATCAGCTAGGGATGGGGCAGCTGTGCTGTGGGCCAAGCTTGG
[A, G]
AGTAGGTGGGGTGGGGGCTCTGCCTAGGGAAGACAAAAGAAGATAGTTTGGCCTCTTCTC
CATAGGATGGCTGTGGTGTGCTATAGGCCTGCAACAACAATCAGGCTGTTTGTTCCTTT
CTAGCCTGGGTGTTGGGGGTGATGGGTGGGTACTATGGTGGTGGCAGTGACAGAGGGCCT
GTCAGTTGTCTCTGGAAGCTCCACCCAGAGAAATGCAGAACCACCTAACTGATCAGG
TGGGAGTGGCACAGCTGCTCTGGGGGCTAAGCTGGAAGGCCGTGCCCAATCAGGAGCAG

78043 GACAGTTCTTAGATTCTTTACTCTCTCCCCAGCCTGAGGACAGCAGGGGCAGGGGCTGTA
GCAGTGGCAATTGCAGCAGGCTTGTGAGTTGCCTCTGGGAGCTCCATCCCAGAGGAAAGA
AGAGCAATGACCAGCTGGAATGTTTCAAGATTGGGGTGGGGTGGCTGTGATTGGACCTTGCC
TGATGAGGTACAGTCTGAGTTTCTCTCTCAGCACCGTGCCTGTGGTACCTATCCT
AGAGGTGCACGAGAGAGCCTGAGCTCCTTTGTTTGTAGGGCTATGGCAGCTGGCACCAAC
[G, A]
TGCTCAGAGATCCAAGGCTCATGGAGCTCAATGTGGGCTTCACTGGTGTAGCTCTGCACAGA
CTCCACAAGCTCTCTGTGTGATCTGGAAGCCAGGGGAGCCGGGGGCTCTCCTGTGCC
CAAGATTACAAAGGTCATGCAGACATGTGGTCTTGGGGACTCTCACTCATCCTCTCATC
CTTTCTTGCAGCTGGGAGCCTCCTCTGGCTCTGCACCAATCCTGGGTGGGCAGCTGTCC
TACCTTGCTCTTCTTTGCTTTCTGTGGGTGCTGTGCTTCTTTGATGAATCAAAACATG

79395 GAGATTTTGGGTGGGGACACAGCTAAACCATATTACTTTCTAATATCCAGTCAGTTTTTT
TCCCCAAATAGTTCTTTCTCATTTTGGATCAATCATTCTGCTCTAGAACAATAATTTATTC
TCTTTTTGTTTTAACAGAACATACACATCCTCATAACTTATGCTTTTCTTACCAAAAG
CACATCTTACCTATATTGTATACTTGCATATAAAGTTGTTTTCTTATTATTTCTAGTAA
TTTTAGTTACATATTTAATTAGAATTCTTAGCCCTTTATGACCTAATTTCTAGTGAAC
[A, T]
CTAGGAAGCAAGCAAGTGTGAATATCATGCCAGCAGTCTATAGATTGGAACCTGTGAA
TTATAATTCTAGGAGCATATACTTTTTTATAATACATTTTTTTCAATGTGGCACAGAA
TTTATTAACAGTCCCAACTGTCTTTAGTCTCTCTGTAGTAAGAACTGTAGAGGAACAA
ATTTTTATTTCTATCCTGTAGGGCTTTTTTTTTTTTTTTCCATCCTTCGTAAGAATGTT
AAAAGTTCTGGTATAGAAAGGACATTTTTTACATGGAATTCTATCTTACCTCTATTTG

79474 CATTTTGGATCAATCATTTCTGCTCTAGAACAATAATTTCTCTTTTGTTTTAAACAGAA
CAATACACATCCTCATAACTTATGCTTTTCTTACCAAAAGCACATCTTACCTATATTGT
ATACTTGCATATAAAGTTGTTTTCTTATTATTCTAGTAATTTTAGTTACATATTTTAA
TTAGAATCTTAGCCCTTTATGACCTTAATTTCTAGTGAACACTAGGAAGCAAGCAAGTG
TGAATATCATGCCAGCAGTCTATAGATTGGAACCTGTGAATTATAATTCTAGGAGCAT
[A, G]
TACTTTTTTATAATACATTTTTTTTCAATGTGGCACAGAACATTTATTAACAGTCCCAACT
GTCTTTAGTCTCTCTGTAGTAAGAACTGTAGAGGAACAAATTTTATTTCTATCCTGT
TAGGGCTTTTTTTTTTTTTTTTCCATCCTTCGTAAGAATGTTAAAAGTTTCTGGTATAGAA
AGGACATTTTTTACATGGGAATTCTATCTTACCTCTATTTGACTCTTGCTTTTAAACAATT
ATGCTTGAAATGCTCATAAAGATGAGACATTAAATAGCTAGCCATCACCTTAAGTTATTT

79992 TTTGACTCTTGCTTTTAAACAATTATGCTTGAAATGCTCATAAAGATGAGACATTAAATAG
CTAGCCATCACCTTAAGTTATTTTCTGCTGACAAGCTATGTCACATAGAGATAACATG
AACTTATTTTACTAAATAAACCTAGGGGAGAAGAGTTGTGCATCTGTATTATACATAATG
CCGACAACTCTGAAGGTATGCCTGCATTAATCAAGCCAATATACTTTTATTAGCTACTAT

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TTACCGAAGATTATCCAAGATTATGTCAACTTGAAAAATATTTTAGGTTTGTTCCTAAGG
[G, T]
TTTAAGGAATACCTATTTTATATAAGCACTTATTTTCTTTAAACCAATTAAATAGTTCT
CTTTTACAACCTTAATTTTGGCAATACCATAAAGAAAAAGAAATATGTTACACATTCATAA
CATACATACTGACATATATAAATATAAACATAAAACAGATCTTGTAGTATTCATTTAAA
AATTTTAGCCAGGTGCCAAGTACAATAACACAAAGCTCACTAATCTGGAAGTGAATTTT
TTCTGGCCCATGGAACAAGATTACCCACCCAGATGGCTAAAGCTTTTGAAGTATTTGT

81065 CTTTCATCCTCTTCTCTCTCTCTTCTCACTCCTCCTCTGAAGGTATTGAGGAAGAAGATGGCA
ACATGTAGGCAATAGTCTTTCTGCCACTGGAGATGTTTTATCGTGTTCAGAGAACTAAA
TGAGATATACCAGAATCCTCGCATACTCAAGTCCTGCAGTTGGCCCTGCAGAACCTTCAT
ATATACAAAAGCCCTTCATATATGCAGATTTCCATTCTCTGCAAAATATTGTATTTCCAATA
TGTGTTTGGTTGAAAAATATCAGTTTAGAAGCTGATATTATAAGCTTGTAAGTATGATATA
[T, C]
TAAGCAGACCTACGCAGTTCAAACCCATGTTATTCAAGGGTCAACTGTATGTTTACAGGT
CACCTTTCATCTGAAGGACTTTCATGTCTGCTACACAGGATGTTATAATGATCTATTGT
AGAAATGTTCTTTGCAACTTACAGAAACATGAGAGTACAGCTTGATGGCTCAACAGAAT
TCTGATAAACTCAAGGAGTAAAAAGAGAGAAGAAATAAAGGCAGGTTTGAAGAATGAGAA
AGAAATGATAGTCTTTTAGACAAGGAGTTAAGTATTCAATTGCGCCATATTTTGAATTC

81350 TTGTAACTGATATATTAAGCAGACCTACGCAGTTCAAACCCATGTTATTCAAGGGTCAA
CTGTATGTTTACAGGTCACCTTTCATCTGAAGGACTTTCATGTCTGCTACACAGGATGTT
ATAATGATCTATTGTGAGAAATGTTCTTTGCAACTTACAGAAACATGAGAGTACAGCTTG
TATGGCTCAACAGAATTCTGATAAACTCAAGGAGTAAAAAGAGAGAAGAAATAAAGGCAG
GTTTGAAGAATGAGAAAGAAATGATAGTCTTTTAGACAAGGAGTTAAGTATTCAATTGCG
[C, T]
ATATTTTGAATTCACCAAGCTTTGGAACACTCTCCTTGGCCAGAAAACTATCAGGA
AACCGTACTTGAGCTAGGCTGCTAGTGAATGTTTGTCTATACTTTTGATTTGTTACGGCCC
TGTGTAGGAGAGAAAATGCTAAGCAAATATTGTCACATTGCACTGTAAGGAAATAAAAA
TGCATTAGAAGTGAATCAGTTGACCTCATATTGTTTCATTAGAAGTAATTTCTTTGGAT
TGTCCTATTGCCATAAATGTTCTTCTTGCATCTTAACAACAACCTCTGTCATGAGTAG

81474 TGATCTATTGTGAGAAATGTTCTTTGCAACTTACAGAAACATGAGAGTACAGCTTGATG
GCTCAACAGAATTCTGATAAACTCAAGGAGTAAAAAGAGAGAAGAAATAAAGGCAGGTTT
GAAGAATGAGAAAGAAATGATAGTCTTTTAGACAAGGAGTTAAGTATTCAATTGCGCCATA
TTTTTGAATTCACCAAGCTTTGGAACACTCTCCTTGGCCAGAAAACTATCAGGAAAC
CGTACTTGAGCTAGGCTGCTAGTGAATGTTTGCATATACTTTTGATTTGTTACGGCCCTGT
[G, A]
TAGGAGAGAAAATGCTAAGCAAATATTGTCACATTGCACTGTAAGGAAATAAAAAATGCA
TTAGAAGTGAATCAGTTGACCTCATATTGTTTCATTAGAAGTAATTTCTTTTGGATTGTC
TCATTGCCATATAAATGTTCTTCTTTGCATCTTAACAACAACCTCTGTCATGAGTAGTCTA
TGACTAGCTTATTTTTTCCACTTTTGCTCCCCATGAATATGATAAGGACCTCTCCCACTC
TTTATGGGGCCTGTGTTTGCATCCTGCAAAGACTAAACACAGTTAACATTGAATCCATC

82037 TCCTGCAAAGACTAAACACAGTTAACATTGAATCCATCCTTTTCTTTAGAGGAACATTT
TCAAATTATCTCTAAGTTTTCGGTGTGTTTACAGTAAATGGATCAGGTCTAAGGGTCTC
TAAGAAAAATTTAGCATTTGACATTTTATTTTATAGCAATTGAAATACATCAGTACAAC
CATATTCAGAAAGGGCATTATGTCAGACACTGCCAGGCTATTTTAGATGTTTGTCAATTT
TGATCATAGTTAGTTTTTGGCCTTAATAATAAGTATTATTATTTTACTTATTGCCAGTGA
[A, G]
TGATAGGATAGAGCTTAACTAAATGCTTAAACGATGTGCTTGGATCCCCACATAGATCCA
CAGTTATTATATTCTTAGGGTTTGTCTATAGCTACGTAGAGGAAAGGAGAATTCAGTCA
TCCCAATGCGCATGGTACCCTGGGCATGCTGAACCTAAAAGAAGCTATACTACAGCAGCT
ATATGCACAATATAAGTGCCAATTTAGTTTACCAAAAAATCATCACTTTATATTAATTC
ATATCACTGATTTGAATTTTATTGGCCGACCTTTTAAAGTTTATATGTTAAGATTCTAT

83258 TGGATAGACTTTGATTAAAGAGAGAATCTTTGTGAGTGATAATTACAGAATGGCACTTTC
TTATAACAGTGACTGCTATGTATTAACGTGTGTTAAGTGAACCTGATTTTAAACATATTA
GCTGAAAAAATATGAAAGATTATGCTCTTCATTTTCAAGGCGGAGATCTGGACGATAAAAT
TCAGGAATATAAACAAGCTGGAAAAATCTTTCCAGAAATCAAATAATAGAATGGTTTAT
CCAGCTGCTGCTGGGAGTTGACTACATGCATGAGAGGTATGTTTCAATTTGCTACTGGGGGA
[G, A]
CATGATATATTTTAAACAGTCATGTTTGAACCTGAAAAGTGAATTTTTTTTCTATAATTC

AAAGAAAACAAGTTCAAAAGGTATATGGCTAAAATTAAACATCTATAATATGTTTTTCCT
TGAGAAAAGTGTGAATGATTATATCTAGAGGATTTACTTGATAGCTTTTTGTTGCTGT
TCTGAACTCAAGTTGGCCTTGAATATAAGACAGAAATTTGTATTAAACACATTTTCATTA
TGTCTGATCATGTCTGTGAATTACAGGAAGTTCTCAGAAACCTTTGGCATCCTATGAAT

83790 ATTTTCATTATGTCTGATCATGTCTGTGAATTACAGGAAGTTCTCAGAAACCTTTGGCAT
CCTATGAATTTATTGTATCTTACAGCAGGCTTGAGTTGTAAATACCTTAGTATGCCACAA
ATGAATTGTGTGGTCGCTTGGAAATGTGTCTAGTGCACACTTAGCTAGGTTACATCCCAA
AAGAGCTCAGTAATTGAGACAGAATGTATTCTTTACCTCAGAGGGATAAGTATTAGAT
AGAAAGTCAGTTTTGATATGAAGTATCTGATAATGAAGGTCAATTATTTTGATTATCTGT
[G, A]
ATTTACATTTACAATCTCTGCCTCAAAAATGTATTTTAAACTTTTAAATGAATTTTATA
GGTCAAAAGTAAGAAGTTTGAAGTTAAATATTTTGAAGACCCATAAAATGATATGAAC
ACGTTTGAAGATGAACATACATAGACAAAAAGAGTGGATATTCTGAGGTGTCTGTG
GTCGCTTTACCTTGGAGTGGGGCTTAACACATGGTACCATTCTTCTGAACGAAAGG
GGGTAATTTATAAAGCACACCAAGGTCTAACTATCCGTGGATGTGAGTTGCTTAAATGT

86565 GCTTGCTTCAGGAAGGTTAGATGATAAATTATATCAAGGAGAGAAGGTAACCTGGGTTAT
CAGTCAAGAACCTTTTATAATATCCATGCATGAGATTGTGAGACCTAAACCAAGCTGGCA
GAGGTGGGTAGAATGAGGAAAGATGAGAATGAAGTCAAGTTGAAATGACTGGACTTG
CAATTAAGTGTATCTGAGATGTGATAGAAGGTCAAAGATGAACCTGAGGTTTTGTGCTGT
GATGAATGAGAAATTGGAAGACAGGTTTGAACAATGGTGATGAGTTAATTATGAATA
[C, T]
GCTGGGTAGAATATGGAGAGAGAAGAAGGAGAGGGAGGAGAGAGAGAATGAGAATGAG
AGAAGGAAGTTAGAAGTGAGGCTCTGGATCTTAGGGAACCATCAGGCTTGACTTTGTTT
GGGTCTCTACAATATCAGAGCCCTGAAACAAAGACTAGGGTACAAATAGAGTTTTAGGAG
GTAATCTTAGAAATCAGAAGCCAATAAGTGGGAAGAGTGAGAAGGAGAAGCCAGAAAAGC
TGTGCAGAATGCATGGTTGAAGTGTGGCTGCTGTGGGTAGAGGGATGCAGAGGCAGGAC

86707 ATGAGAATGAAGTCAAGTTGAAATGACTGGACTTGCAATTAAGTGTATCTGAGATGT
GATAGAAGGTCAAAGATGAACCTGAGGTTTTGTGCTGGATGAATGAGAAATTGGAAAGA
CAGGTTTGAACAATGGTGATGAGTTAATTATGAATATGCTGGGTAGAATATGGAGAGA
GAAGAAGGAGAGGGAGGAGAGAGAGAATGAGAATGAGAGAAGGAAGTTAGAAGTGAGG
CTCTGGATCTTAGGGAACCATCAGGCTTGACTTTGTTTGGGTTCTACAATATCAGAGC
[C, T]
CTGAAACAAAGACTAGGGTACAAATAGAGTTTTAGGAGGTAATCTTAGAAATCAGAAGCC
AATAAGTGGGAAGAGTGAGAAGGAGAAGCCAGAAAAGCTGTGCAGAATGCATGGTTGAAC
TAGTGGCTGCTGTGGGTAGAGGGATGCAGAGGCAGGACTCTTCTAATAGTGTTTTAAAGTT
TTGAGTTTCTCTTCCTGCATTCTTCTCTGAATTTTGGGGAAAAAAGAAAAAGCAGGCC
GGGCACAGTGGCTCAGCTCTGTAATCCAGCACCTTTGGGAGGCCAAGGCGGTGGATCAC

87243 AGGCCGGGCACAGTGGCTCACGTCTGTAATCCAGCACTTTGGGAGGCCAAGGCGGGTGG
ATCACAAGGTTAGGAGTTTGAAGTACCTGGCCGACATAGTGAAACCCCATCTCTACTG
AAAATACAAAAAATTAGCGAGGCATGGCGGCAGGCACCTGTAATCCAGCTACTTGAGG
CTGAGGCAGGAGAATGGCTTGAACCTGGGAGGTGGAGGTTGCAGTGAGCCGAGATTGCAC
CATCGTATTCTAGCTGGGTGACAGTGCAAGACTCCCTCTCAAAAAAAAAAAAAAAAAAAAA
[A, -, G]
GCAATCTTGCTTAAATATAACTATTGTTTTCTAGCACTATTGTGAATTTCTCTTGAAAA
ATTTCTTGATTTCTGGGAATTTGGAGTGAGGAGGGGAGGAAGTTGGAGTGAGGAGGGG
GAGGAAGTTGTCTTCATCTTGATCCAATTTTGAATGGTTTTTAAATGGAGCAGTTATAT
ATATATTATTCTGATTGTAAATGTATAATCTATGTTTCACTTCTGTTGGTTTTTCAGTAT
TTAATTTAGTATAAAACATGTTTCTTTCAGAAAATAAACTTATTATCTTAATTGTCTGA

87243 AGGCCGGGCACAGTGGCTCACGTCTGTAATCCAGCACTTTGGGAGGCCAAGGCGGGTGG
ATCACAAGGTTAGGAGTTTGAAGTACCTGGCCGACATAGTGAAACCCCATCTCTACTG
AAAATACAAAAAATTAGCGAGGCATGGCGGCAGGCACCTGTAATCCAGCTACTTGAGG
CTGAGGCAGGAGAATGGCTTGAACCTGGGAGGTGGAGGTTGCAGTGAGCCGAGATTGCAC
CATCGTATTCTAGCTGGGTGACAGTGCAAGACTCCCTCTCAAAAAAAAAAAAAAAAAAAAA
[A, G]
GCAATCTTGCTTAAATATAACTATTGTTTTCTAGCACTATTGTGAATTTCTCTTGAAAA
ATTTCTTGATTTCTGGGAATTTGGAGTGAGGAGGGGAGGAAGTTGGAGTGAGGAGGGG
GAGGAAGTTGTCTTCATCTTGATCCAATTTTGAATGGTTTTTAAATGGAGCAGTTATAT
ATATATTATTCTGATTGTAAATGTATAATCTATGTTTCACTTCTGTTGGTTTTTCAGTAT

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TTAATTTAGTATAAAACATGTTTCCTTCAGAAAATAAACTTATTTATCTTAATTGTCTGA

95967 TTTTCAAGGTAACCTCACCCCTGAGCCAGGTGTAGGCACACTCCTGATATGCTGACAGTG
GCCAATAGTTTGAGGAAGACCTGACCCTGCTTCTGACTTACAACATAGAGGACTCATTGT
GTTAGTGAGGGGAATGAGACTGATGAAGAAAGGCAGGTGCCTCAGTGCCAGGACAGGGG
CCACATGGCAAAGACCAGTAACAGGAGTTGCCTGGGTGTGCATCACAAAGGAGCCATTG
GCTGTGCCAGCACCTTTGGCAAGAAGAGTTTGTGATCCACCCTGAGAACCTGCTAGATGA
[A, G]
GGATAGACCTCCAGGGAGGGTTTCATATCATAAACTGTTTCATATTAGGGCTTGAGGGGAG
GTGAGAGGAATTGTCCATACCTTCTCCACAGTTCTACCTTGGGCTGGAGGCTGAGAAAT
GCTGCCCTCTGTACCTCCACAGACTGTTCTTCATCCTAGCCCTGGGCTGGATGCTGGG
GAAGAATGACCTGATGGGAGATGGAGATGGGATTTTTCATGAATTTGAACCAGAAAC
TGTCAGCAAATCTTAACCAGATCACTTGGGTGTGATGAAACATAGAAATGAGAGGGACCC

96374 GAGGCCTGAGAAATGCCTGCCCTCTGTACCTCCACAGACTGTTCTTCATCCTAGCATGGG
CCCTGGATGCTGGGGAAGAATGACCTGATGGGGAGATGGAGATGGGATTTTTCATGAA
TTTGAACCAGAAATCTCAGCAAATCTTAACCAGATCACTTGGGTGTGATGAAACATAGA
AATGAGAGGGACCCACCCTTGAACAGATATGGTATGGTGCCTTGAAGATAATAGATGGA
GAACTGTGTTGAGCTTTTGAAGAAAGATTTTCATATAAACTTTATTGCCTGTTACCTTA
[T, G]
TATTTGTTGGATTTTCATTTTCATATACTTCAAAGGAATGGATATTAGCCAAACATAGGAT
AAAATTATGCTGGCTCATTTTGGCTTACTGTAACCACAAAGCCAATACATTACGATTTT
TTTTTCTCCTGAGACGGAGTCTTGTCTGTCACTCAGGGTGGAGTGCAATGGCATGATCT
CGGCTCACTGTAACCTCTGCTTCCCAGGTTCAAGCAATTTCTCCTGCCTCAACCTCCCAAG
TAGCTGGGATTACAGGCATACGCCACCATGCCGCTCTAATTTTTGTATTTTAGTAGAGA

100283 ATGTCTACTTGTGGATTTTGTGTTTAAATCTGCTTGGGATTTCTTTTGCTTCTGAGCTT
GTGAATTCATGAAAACCTCTAAATCTGAAAATACCTCGTCATTCTCTTTGAATTTTG
CTTCTCCCCTATTCTCCTTTTACAATGCTTAAAGATGTATGTTAGACCATCACATTCGT
TCTTCATGCTATGCATCCTTCTAGGAATCCATTTATATATATATTAGAACTTTAAGCC
TGTATTTAGATGTCTCTTATACTCTTTCTATGTTTTCTTTTCTTTCTTTCTTTCTTT
[T, C]
TTTTTTTTTTTTTTGAGACAGAGTCTCACTCTTGTGCCCAGGCTGGAGTACAGTGGCGC
GATCCTGGCTCACTGCAACCTCCGCCTCCCATGTTCAAGCAATTATCCTGCCTCAGCCTC
CTGAGTAGCTGGAATACAAGTGCCTCGCCACCATGCCCGGCTAATTTTTGTACTTTTAGC
AGAGATGGGCTTCATCATGTTGGCCATGCTGGTCTTGAACCTCCTGACCTCAGGTGATCCA
CCCACCTTGGCCTCCCAAGAGCTGGGATTATAGGCGTGAGCCACTGTGCCTAGCCTTTT

101074 GCACCTCTAGTGCATATAAAAAATATATATATATTTCTATATAGAAAATATATAGAATCT
AGCTCTCTATTGAAATCTCCATTGTGTGAGTTATTTCTTGAGCAATAATCACAGTTAT
TTTCAAATCCTTGTCCAATAATTTCAATAGGTGGATCACTTGTGTATTTATTTCTATATC
TCTTTTTTCTTTTGGTTTTTAATCATTTGATCTTATCTTTTGGTATGCCTGGTAGTTTT
TGAGTGAATGCTGAACAATATATGTGAAATATTGAGAGATGTTAGATGATATTACTTTTC
[C, -, T]
CTGCCTGACAGTTATATTTAGGGCAGATCACCTTGATCTAATGAGGAACTGAAATAGTTT
AACTGTAGGCTGTAGGCTTTTGGAGGGTTGGTCTATTTTCAGTTTGCCTTTATTTCTATG
AAGAAGTTTTTCAGAGCTTTCAGCTGAAGGGTTTAGTTTTTACTAAGATACCTCTTCCT
TTGTGGACCTGAAATCCAAGTTTATGAATCTACTCAAAGCTCTGATTAAAAATTTAA
ATAAACTTTATTTTTTAAAGCAGTTTTAGGTTACAGCAAAATTGAGTGGAAGGTACAGA

103767 ATTTTATTAGATTTATACCTAAGTGTTCATTTAGGGGTACTAATGTAAATATAGTTTG
ATATAAATGTCAAATTTCTACTTGTTCATTGCTGGTATATAGGAAAGCAATTGATTTTTGT
GTATCAACCTTGTATCTGCAACATTCGAGAATTAATTACTTGTAAATCCAGGAGGTTT
TTTTAATTGATCTTTTGGATTTTCTACTTAGCTGATCATGTATCTGTAAACAGAGAGT
TTGTTTTTCTTTCCCATCTCTATTCCTTTTACACTTCCTTTTCTGTTTTACTTAATT
[T, A]
GGTAGGACTTTCAGTATAATGTTGAAAATAAATGATTAGAGGGGACATTTTCCCTTGTT
CCTGATATCAGCAGAAAACTTCAGGGTTCTCATTTGTAAGTGTGATGTTAGCTGTAGGT
TTGTTATAAATATTCCTGTTTCTAGTTTATCAGAGTTATTGTCATGAATGGGTATTGGAT
TTTGTCATTTGCTTTTCTGCATCTATTGATTTTTTCATGTGATTTTTCTTCTTTATTCT
GTTGATGTGATGGATACATTAATTGACTTTCAAGTGTTAAAGCAGCCTTGATACCTAGT

104082 TATAATGTTGAAAATAAATGATTAGAGGGGACATTTTCCCTTGTTCCCTGATATCAGCAG

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AAAACTTCAGGGTCTCATTGTAAAGTGTGATGTAGCTGTAGGTTTGTATAAATATT
CCTGTTTCTAGTTTATCAGAGTTATTGTGTCATGAATGGGTATTGGATTTTGTCAATTGCTT
TTTCTGCATCTATTGATTTTTTTCATGTGATTTTTCTTCTTTATTCTGTTGATGTGATGGA
TACATTAATTGACTTTCAAGTGTTAAAGCAGCCTGCATACCTAGTATAAATCCCCTTG
[T, G]
TTGTGGTGTATAATTCTCCTGACACAATGTTGGATATATATATGTATATTTTTTGGACAA
CATCTCGCTCTGTACCCAGGCTGGAGTGCAGTGGGGTGTCTCAGCTCACTGCTACCTC
TGTCTCCCGGGTTCAAGCGATTCTCCTGCCACAGCCTCACAAGTAGCTGGGATTACAGGC
CCCTGCCACCATGCCAGCTAACTTTTGTATTTTTAGTAGAGATGGAGTTTACCCTGTT
GGCCAGGCTGGTGTGCAACTCTGACCCAGGTGATCCACCCACCTCGGCTTCCCAAAGT

104473 AGTGGGGTGTATCTCAGCTCACTGCTACCTCTGTCTCCCGGGTTCAAGCGATTCTCCTGCC
ACAGCCTCACAAGTAGCTGGGATTACAGGCCCTGCCACCATGCCAGCTAACTTTTGTA
TTTTAGTAGAGATGGAGTTTACCCTGTTGGCCAGGCTGGTGTGCAACTCCTGACCCCA
GGTGATCCACCCACCTCGGCTTCCCAAAGTGCTTGGACCACAGGAATGAGCTGCCACGCC
TGGCCTACAATGTTGGATTGATTGCTAATATTTCACTGAGGATTTTTTCATCTACATT
[T, C]
ATCAGAGATACTGGTTTTAGTTTTCTTTCTTGTAAATGTCTTTGTTGGTTTTAATGTT
AGGATGATGCTGACATCTTAAATGAGTTAGGGAGTATTTCTCTGCTTTTATTTCTGA
AAGAGATTATAGATATTTGGTGCAATTTCTTCTTAAATATTTGGTAGAATTCGCCAGTG
AACCCTCTGGGCCAGTGTTTTTATTTGGAACTTACTAATTATGATTGAATGTATT
TACTGAAGATGGGCCTATTTGATTGTCTACTTCTGTATGATTTTTTGGCAGCTTGTGTCT

105573 TGTTTAGAAGTGTGTGGTTTTATATTACATATTTTGGGATTTTCCAGTTATCTTTCTGT
TATTAATTTCTAGTTTGATTCCATTTTGATGTGAGAGCAGAAATGGTATGATTTCTCTTC
TTTCAAATTTGTTAATGTTTTATGGCCTAGAATGACTTTCAGTTTCTTTTTGAATAATTC
GCAGGATTTTTTTTCTATTTTATGTGAGCTCACTGTGCATATATGAAGATATTTGTAT
ACTTTATTCGGCATTTTAGTTTTTTATGCAAAGATTTTCAAGTTTCTAGTTCTTTATA
[A, G]
TTCCATAAAATAAAGGCTTAACTGACATAATTTACATTACTGACTTATAGTCAGATTTA
ATAAATGTTACCTATTTCTTAAATATCATCAACAACGTTATTATTTTCAAGTATATAAA
ACTTGGACATTTGGGTAATAATAGATTACAACTGGTCTATCAATTGAGGATATGGTTAC
TGGATATAGTACTATGTAGATTATGCTACAAAAACATAATAAAATATAGCCTATTGAAAT
AGTTGAAAGCATATACCGTTCTCCAACTACATGTTCCCCAACCTTTAAATCTTTATT

105668 AGCAGAAATGGTATGATTTCTCTCTTTCAAATTTGTTAATGTTTTATGGCCTAGAATGA
CTTTCAGTTTCTTTTGAATAATTCGAGGATTTTTTTTCAATTTTATGTGAGCTCAAC
TGTGCATATATGAAGATATTTGTATACTTTATTCGGCATTTTAGTTTTTTATGCAAAGA
TTTTCAAGTTTTCTAGTTCTTTATAATTCCATAAAATAAAGGCTTAACTGACATAATTT
ACATTACTGACTTATAGTCAGATTTAATAAATGTTACCTATTCTTAAATATCATCAACAA
[C, T]
GTTATTATTTTCAAGTATATAAACTTGGACATTTGGGTAATAATAGATTACAACTG
GTCTATCAATTGAGGATATGGTTACTGGATATAGTACTATGTAGATTATGCTACAAAAAC
ATAATAAAATATAGCCTATTGAAATAGTTGAAAGCATATACCGTTCTCCAACTACATG
TTCCCCAACCTTTAAATCTTTATTTTAAACTTTTGTTCCTCAGGGAACTGGAAAGT
ATTGTGGCTTTGTAGCTTTTAAACATTGAAAGATATATCTATGGGAGTATATATTTATGT

106657 AGGTGTACAAATTTACCACATATTTGATAGATTTTCAAATATACTTTGAGTTCCCTGTT
TCATGCCAGGCACTTTACAAGTTATTAGAATCATTTTACTGGTTTGATTAGTTACTACAG
GTTTCTCATTTATATATTATTTATCACAAGCAATAAGTGGTTATAGATAATGAAATGTTG
ATATAATGGCTTTATTAACCTTTAGTTCTTTCAGAACTGTACCTCTCCTCATAACAGCTAC
TGGATCATCTAATCATCATATAGGGTGTACTTGGGGAAGGAAGGAAGGAAGGAATAAAAG
[T, C]
GTGCAACTAGTTAGGCAAGTATTA AAAAGCTGATAGATTCAAATTTTTATAGTCATGTTCT
TTAAATAGTCTCAGATCTTTTCTTTAAAACGCTCCATTATTGTAATTTAAGAACAAATTT
CTTCTCCCTCAGGTGAAATTGTATATCATCTTATTCAGTTTTCCTCAAATCATCTGTT
TGCCATTATTCAGACTTGAAATAGCTTTTTATATCAAATGTCTAGTTTCCCATAAATCC
AGAAATAAAGAATTTTAGCTTACATAATTCATTTCTGGCTCAAAGTCTTCTCTCTCTCT

106855 CCTTTAGTTCTTCAGAACTGTACCTCTCCTCATAACAGCTACTGGATCATCTAATCATCA
TATAGGGTGTACTTGGGGAAGGAAGGAAGGAAGGAATAAAAGTGTGCAACTAGTTAGGCA
AGTATTA AAAAGCTGATAGATTCAAATTTTTATAGTCATGTTCTTAAATAGTCTCAGATC
TTTTCTTTAAAACGCTCCATTATTGTAAATTTAAGAACAAATTTCTTCTCCCTCAGGTGA

FIGURE 3, page 122 of 141

- GATCTTGGGGCAGAAGTGTGCATGCAAGGATTAGCTGTGAGTAGAAGAAAACAGAGAAGAA
CCAGCACCTGCTGACCTGCCAGGACCAAGAAAGTATCCTCATGGAAGAACATTTCCAGG
GTGGACAGGGAAGGGATGGGGACAACAGCCTATTTTTTTGAGAAATACAGTCCAACCTGC
CAGCATTTCTGTAACTAAAATGAGGCCATCTAGTAGCTGGCAGCCAGCAGCTTCATCAG
- 110538 GACAATATTATTTGAATAATGGTACTGCAATTAGACAGAAAGAAAACAATATTTCACTGT
TGGTCTTATTTACTTTGTGTGAGAACCCCAACCAGATGGCTCTTTGATCTGTAGCCCCC
ATATTCTTTGGGTGATATAAGTAAAGGGAACAGTGGTGGGAATAGTGGCAACATCTAGAG
TGTACTGTGAAGCTCTCAGGGTCTTTCTCAGAAATTTGGTGTGGAGGTAGTTGGGTGGG
GGACAGAGAAGGAATCTAGTTCATGCCCAACATTGGACTIONCAGGCTTTTCATGATCTTGGGG
[C, T]
AGAAGTGTGCATGCAAGGATTAGCTGTGAGTAGAAGAAAACAGAGAAGAACCAGCACCTGC
CTGACCTGCCAGGACCAAGAAAGTATCCTCATGGAAGAACATTTCCAGGGTGGACAGGGA
AGGGATGGGGACAACAGCCTATTTTTTTGAGAAATACAGTCCAACCTGCCAGCATTTCCT
GTAATAAAATGAGGCCATCTAGTAGCTGGCAGCCAGCAGCTTCATCAGCTCCCTCCTGG
TGAAGAAAGCTCTGGAGCAAAGAATTAATTTTTTTCACTTGCCCATGGCTGGGAAGTT
- 113089 AAGTTTATTAAGGAATAGTAACAGAGAACTTCCTGAATCTAGAAAAAGATATTAATAT
ATAAGTATAAGAAGGTTATAGAAGACCAAACAGATTTAACTCATTAAATAATGATGTGGC
AAATTCATATACTCCTGTTTGTAAATCTGTGGGAGAGCAGGAGAAGGGAGGGTTAGTT
CAGGATTTTCTTTCATTCCTCTTACTAAAGAAAAATTTAGTTGTGTTAACAAGTTCTTAT
TTCAAACACGCAATTTATTTGGCAAGTATTAATCTTATCACCACACTTCATTGTTTAC
[A, G]
TTGCTTTTTAAATTTGTTTTAAGTCTTGAATCCCTAGTTGAGACTAGTCTTTCTATAGG
AAGTCAAATTTGGATTGAATCTTTCAAATTCAGGATTGGGCACTTTGTAGCGAGGAGCA
TCAGGGGCGAGGAAAGAGTGTGGCCATGAGAGCCTGGGCAGGGCCTGGGTTCCTGATGAA
GGAGACCCCTTTGGATAGGAGCATAAGGTAAAATGTCCCATGATCCATAGGGGCATGTGG
CAGATTGTATTTCCAAAATGGCCATCATAACATATCACTTCTCACATGTTCTTTTCTC
- 113964 TACTCCCATTGAGCTTCCAGCTGATAGCCAGCATCAGTTGGCCAGTGATGTGCGTGAGCC
ATTTTGGAAGTGGATCCTTAAGCCTCAGTTGAGCATCACCAGCAGATGCTGTGGGGAGCA
GGTTCAAGGCTTCCCTGTCAATCTCTGACCAAAAAGATTTCATGATCAAAATGACTGATTA
TTGTTGTTTTAAGGTACTAAGGTTTGGGGTGGTTTTTTATGCAGCAGTGGTGACTIONGGAGC
AGGACTTCATCAGGAGAACGGCAAGCAGGAGTTGAGAAGTAGCCTCTAATCTAGGCCTCC
[A, G]
TATGACAATCTGGCAGTGTGTTTTCTTTATGTCAAAGGCTCAATAAATGCTTAAGA
GAAGTGGCTTTGCCAGAAAAGCAATCTGGCACTCTACTTGTGGTCTGTTTGATGGGTA
GAACCCAAGAACCTGGACCACAGCTGAGAACTTCCAGACCAGCAACTTTTCCATGTGCCT
CAGAACTCTTCTTTCATTCCTCCTGACTTTGCCTTCTTTCTCCAACCCCACTCAACG
TCACCCCTAGCACTGGACCATCTGACTCCAGCCTTATCTTTCTATCATTCCCATGATTCA
- 114354 GCACTCTACTTGCTGGTCTGTTTGATGGGTAGAACCCAAGAACCTGGACCACAGCTGAGA
ACTTCCAGACCAGCAACTTTTCCATGTGCCTCAGAACTCTTCTTTCATTCCCTGACTT
TGCCTTCTTTCTCCAACCCCACTCAACGTCACCCCTAGCACTGGACCATCTGACTCC
AGCCTTATCTTCTATCATTTCCCATGATTCAGTGGTATGCTGGAGCTCATACCAGCTCAT
AAGACCAATTTATCCACATTTCTTCTCAAGTCAATGTTCACTGATGTCACATTAGTAACT
[T, G]
GAAAACAACCATGGTATTTATACCATGGAATTTGTAAATTAGGGCTTCTCCTCCTACCT
CAGAAAGGCAGTGTAACAGAATAGCTCATACTTTAGCCTTACTCCTTCTTGGCCCTAGG
GTGGTATTTGCAGAAGGGAAGAGACGTGAAGACATGAAGGTTTCTGTCTCAAAGGAATG
ATAAACATATAAACAACTGCTGTATACTGTTATAGTGCAATACATATTCTGATGTATAA
AGCAGAGAGTGATTGACAGCTGGGGATAGGGGTAGAGAGCATCAGCTACAGTCTTAGAGA
- 120163 TCTGTGGGGAAATAACCAAGTATATTGTGGCAATTCATAACATAAACATTTCTACATTAGT
AAAAGTATTTGGTTCAACTTGATGATTATATATTTTTTAGTGATATTTAGCCCTCTTGTT
TTCCTAAGGAACTTTTTTTTCATAGTATAACAAGTACTGACTGGTATTGTCTGTCTT
TTTCTTTTGTAGCCATTTCTGATGAGTGTGTAGCATGTAGTGGTAGTACACAGTGGTTGTAA
TTGCACTTTTCTGATGACTAAAAATGTTGAGCGTCTTCTCATGACTTTTGGCCATTTAG
[C, T]
GTCCGTTCAAGTCTTTTGCCATTTTTCTATTGGATTCTCTCATTTTTCTTATTGCTTTA
TAGAAGTTTTTAATTTATCCATATTTTGGTAGTCTGATGAATATTTGAATTGCAAA
TATCTTACACTATGTGTCTTCTTTTCACTCTCCTAATGGTGTCTTTTTATGAGTAGAAG
TTTTGTAATTTTAAATGAAGTTCATTTTATAAGTTCACTTTTATCATTAGTGCCTTTTAT

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GTCTTAAGAAATCTTTGCCTACTCCAAGATCATGAAGATATTCTCTTGTTTCTTTTAAA

124748 AACAGTCTAGGATTTGGAAAGATAAATGCCTTAATTCAAGAGTCAGTTCTACCATTTACT
ACCTATGTGACCTTGCCCAAGTCATTTAACTTTTCTGAGCCAATTTCAATCTATAAAAA
TGGGAAAAATATTACACGGGCTCTATTTCACTGGGAAGTTATAAGGGATTGTTGAGATAT
TGTCAGTGCTTTGTAAAATGTAAAGTACCAGTCAGCTCAGTTGGAAATATTTAGTGTTAT
TATTTACTGGAACAGAAATATTCTCAGTGTACATATCCAAAATTCTCTTACAAATGCACA
[T, G]
TTTCATGAGTACCCACAAAATAGTTCAATGGTATTATTCATGTATTTATTTCTGTCTATC
CTTTGTGTATTAAAGGACATTGTTAAAAGTTACATAAAATGTAACCTACACAAGGTCAAT
CACAAATTTATTTCTTATCTTTCAAGTGACTAACATGAAAAGGAAAACCTGGACAGTTAC
ATAATTCATAATGTCCATAAGATAAAAAATAATTCATTATTCAGGAGAAGTGCCATTATTT
CTTAATACTAAGCTCAGACAGGAATTTCCCTTTCAGTTTTTTTTTAAATGATGTAGAGTT

127581 CAACCAGCCATGTAAAGAGCCTCAGAAACAGTGTTTGAATCACAGGGAATAGCTGGCACA
GAGAGTCTCTGATTATGTTGTGCCTTGAGGTTAGGTACAAATGGGAGGGTTCTTATGCAA
GCATATGCTCTCAGGGAAGCCCATGCGGTCTGCGGGAAGGCTAGACAGGAGAGGGAGGCA
GGCTTAGGTTTTCCTGATACTTCCAGCTCTCCTTCTGTGCAGGCCAAATGGGATCCAGTAG
AACCTGCAGGTGGTCTCTGGAAGAGCCTCATATGCTGGTGTGGGGATCAAAAACACA
[C, T]
TGAAGAGGCTTTGAGCATTCAAAAAATAATGGGTCAAAGGTATTACAGGGATCTGCT
GGGACCAAGATGAGGCAAGTGAGGCCCTTGACTCTGGGGCAAAGTTAAGGGGACACTAA
AATTCATAATCAAGATAAGTAATATTTAAAAATCCAGATTAATGCTTAAATCCCAGGT
AACAAAGATATTAACACTTTAAAGACAGAATCCAGCAGGGCCAGGATTAGGGTGAGGTAAG
TGAGGTGGAATTGTGCAAGTTCAGGGTTGGATCCTATCTTTAAAGTTTGTCTATTGTATT

128202 AATTTTGATTTTTTAAACAATAATGTTCAATAAAATTATTTATCTTGGCTACTGAGTTTTTT
GGTGCCCTCTTAGATTTTGTGCCTGAGGTATCTCACTTGCCCTAAACCTTGCACTGGCCCT
GGGAGTGATAGTACTGTCTCTACAGTCTGGGAGGTTGGAAAAAGCTTGTGTCTTCTGT
AGCTGAAAGTAGGCCCTGCCCATGATTGGCAAAAGGGAGTGAGAGAGCAAGCAGTGCAAGA
TGAAGCTGGAGAGACAGGCAGGAGCCTGACCCTGCAAGATCTTCTTGGAAAAGCTACATG
[T, G]
AATTTTACATAACCCAGGGAAAACCTAGCATGCTTTGTTCTCAGGCTCCCTGCCATGGTCA
AAAGCACCCCAAATCTGAAAAGATTCTTGGTAATTTATTCCTTTTCATCCCTAAAGAGGA
GCCTTTAAGATATGTGAGGTTGATCTTTTTTTCAGAACCTAATGTGTAGATATTCAGAA
ATGACTCTGGAAGACAAAAATTTGGATTGTGAGAAGGAGGCTGCTCATATAATTAATGCC
ATGTAAGTAATTGCTTTGTTTTTAAAAAGCCCATCGAGTGTAATGTAAATGTATTGT

128496 TACATGTAATTTTACATAACCCAGGGAAAACCTAGCATGCTTTGTTCTCAGGCTCCCTGCC
ATGGTCAAAAGCACCCCAAATCTGAAAAGATTCTTGGTAATTTATTCCTTTTCATCCCTA
AAGAGGAGCCTTTAAGATATGTGAGGTTGATCTTTTTTTCAGAACCTAATGTGTAGATA
TTCAGAAATGACTCTGGAAGACAAAAATTTGGATTGTGAGAAGGAGGCTGCTCATATAAT
TAATGCCATGTAAGTAATTGCTTTGTTTTTAAAAAGCCCATCGAGTGTAATGTAAATGTTAAATG
[T, C]
ATTTGTCTTTAAAAATCTATTAGCACTAAACTGACTGCATCGAGTATCCTAGAATTCAC
TAAGTCTTGCCAAGAAATTAAGGAGCTTCAGGAACTTGGTGTTCCAAAGCCCTTTACCCC
AGGTGGTAGCAAAATGAAATCATGAAAGTTTAAACCACTGCACAGCTTACAGATCTGCAG
GGTAGCTCTGCAGTTGCCTTGCAAGGATATAGAGAAGTTAATATCTCAAATATTTAGTAA
CATTATGCTAATGAGCCTTCCATAATAACCATAAATGGCTTTCACATGTTGTTTGTTTA

130108 AAGTGTGCCAGTCATCCCTGTCTATCTGGCTGCCTCTAGTCGGCCATCTTGCCCCTTCCC
TCATGCTAAATTTTATTGATTGTGTCTTCTATTCCAGGCTTAATACAGTAGATATTTTTT
GCTGAGGTATGGTGTAGTGGTTAATTGCACAGATTAATAACACTCTCTCAATTCAAATTC
TAGTTCACAGGTAATACTCTGTATTACTTTGGACAAGTTACTTAACCTCTCTATGACTAT
AAAAAAAAGTACCTACTTCATAGAGTTGCTCTGCATTTAAGTGAGTTAATTCATGTAAG
[T, G]
GCTTACAAGCATGGGGTTATTACCTGCTAAAAATGTTAGCCAATGTGATTATTTAGCCTCT
TTTTTCAGTTAAGGAAATATGCTTAACATTAATCATACATTGAAAGATGTTTATGTGCTGG
TTGTTGGGATCGAAAACACTGAAGAGGCTGTGAGCATTCCACAAAAAAGATC
AAAAGGTATTCACAGGATCTGCTGGGAGGAGGATGAGGCAAGTGAGGCCCTTGACCCTG
TGGCAAAATTTCAATGGGACACCAAACTCAGAATCAAGATCAAATTTAATGCAATATT

132240 GCACCCTGTGCTAACACCACCACCAGCAGGACCACATGCACAGTTGCCAGTGAGGGCCC

FIGURE 3, page 125 of 141

CGGCTCCCTGAGCCATTCTGTCTCTGCTGCTGTGAATGCCACAAAGGAGACAGGCAC
 CCTGACACCTGCTAGCACCTTCCACAGCTGACAAGTCTGCACCCCTCCACACTGCCACT
 CCACCACCACTGCCGCTGCTGGCACATGCAAGCAAGGATGGATCTGCTGCCACCATCCTA
 CAAAATGGTATGGCTGGCACCATCCATCAGAGTGTAGTGACCAGCTGTCCAGGAGCACAT
 [T,A]
 GGCCCCCAGCGCAATGAGTTGACGACCTTGAGGAGCCAGAGAGCAAAATGGGGCCCCA
 GTACAAGTCTCCAGAGTTAGAGCACACAGCCCAGGAGCTGGGAGCTGAGCACTGGCTGC
 CTAATAATTTCCAGAAACAAAACAGTCTACTGAATCCACCTTATAACACAATCAAACCC
 TCAAAGTTATCAAGTAGAATAAAAGGAAAAAACATCCAAAGGATAGCATCTTCAAAGATT
 GAAGGAACCTCAGCCCACAAAGATGAGATAGAGCCAGTGCAAGAACTTCGAGAACTCAA

133120 GGCTCATGCCTATAATCCCAGCACTTTGGGAGGCTGAGGTGGGTGGATCATTTGAGGTCA
 GGAGTTTGAGACCAGCCTGGCCAACATGGGGAAACCCATCTCTACAAAAATACAAAAGT
 TAGCCAGGTGTAGTGGTATGTCCCTGTAATCCAGTTACCAAGGAGGCTGTGGCAGGAGA
 ATCGCTTGAACCTGGGAGGCGAGGTTGCAGTGAGCTGAGACAGCACCATTTGCACTCCAG
 CCTGGATGATGGAATGAGACTCCATCTCCAAAAAAAAGAAATGCAATCTCAAGTATTAG
 [C,T]
 ATCAGAATGGACCTAGCTGAGGAAAGAATCTCAGAGCTTGAAGACTGGT'TTTCTGAAATA
 AGACAGTCAGGGAAGAATAGAGAAAAAGGAATGAATAAAACCTCCAAGAAATATGGGATT
 ATGTAAAGAGGTCAAATCATGTCCCTGAAAGAGGTGGGGAAAATTGAAGCAATTTGGAA
 AACACAGAAATACATTGCATAGAAACATAGAAATTTATCCATAAGAAC'TCCCCAACCT
 AGCTAAAGAGGTCAACAC'TCAAATTCAGAAAATGCAGAGAGCCTCAGTAAGATACTTCAC

135891 CCCCAGCTTATTAGT'TTTTGCTGGCCTGTCTCAAGATGCTTTTGCTCTCAGTAGTGTA
 GTGATACTTTTATAAAATATTTGTTTAA'TTTTCTGAACATGTTTGGGATGGGCTATATG
 AGGGGAATCTTTGTTATTTATAGGCAAAAAGGATCCACCTGCAGACTCTGAGGGCACTG
 TCAGAAGTACAGAAAATGACGCCAAGAGAAAGGATGCGGCTGAGGAAGCTCCAGGCGGCT
 GATGAGAAAGCCAGGAAGCTGAAGTAAGCTGCTTTTCTTTTAGGCACTCATGCTCGGGAC
 [T,C]
 ACTTCTCAGGGCTCTCAGGGAATTTACAGAGAAAAGCAAAAACCAAACAGGAAACCCCA
 ATGCATACGATTATGTATTTATGTGTTTATTCATTCACTTGTTCAGTCCAAGATGATTAT
 TGAGCCATAGATTGAATGTGAGGTGCTATTAATATCAGGCTTTTCACTTGTGTGAAGGG
 AAAGATTAAC'TATTTGGGAGGTTATTAGTGATGAAAATAGGGTCAGTTTCAAACGAAAT
 CTCATTGTTGTTGACAGCTTCTGCACATACCCAGCAGGAGACATCACTGTTTCACCCGG

136385 TTGGGAGGTTATTAGTGATGAAAATAGGGTCAGTTTCCAACGAAATCTCATTGTTGTTG
 ACAGCTTCTGCACATACCCAGCAGGAGACATCACTGTTTCACCCGGATTCCCTAGGTGC
 TTGCTGCGTACCTTCTACCAGGAGACCTCACTTATTTATAGGAAGGAGACTTTATTGGCA
 GGAAATTGTTAGCTTTTGAAGAAGTAGACTGGAAACAGAGCTCTGTTCTGTCAAGTGAA
 GCATTTAGAAAAGTCTATGCTCAGGGCGATGTTGCTGGTGGGAGATATCACTAGTAATTA
 [G,C]
 AGTATTTACATGAAAAAGTGAATTTTCAAGGTGTTAGCCAGGATGTAGAGAAAAGGGAACC
 CTTGTGCAGTAGTGGTGAGAATGTAAATCAGTACAGCCATTATGGAAAAATAGCATGAAG
 ATTCCTCTAAACATTAAAAATAGAACTACCATATGATCTGGCAATCCTACATTTGGACT
 TATATCCAAAGAAAATGAAATCAGTATATAGAAAAGATACTTATACTCCAATGTTCAATTG
 CAGAATTATTCACAGTAGCCGAGATATGGACTCAACCTACGTATCCATCAACAGATAAGG

137408 ATCTAAACATTTTTTGTCAATTAATTTTAATAAAGCTGAAAAAATACATGTATAAAAT
 GGAATTTCAAAGAGGCTTAGAGCCTCAATTTCTGAAAGACTGATTTATGTGTTGGTAGGT
 TATCAAATTTCCAAATTTTCTTATTTTTTCTTCTCTGCCAATATTTGGTAGTTTAGG
 AGCCCCAATCAAGAACTAGAGAGACAGAAAGAACCTGAACACAAATCTACGCATTTGT
 CCCTTGTTAATTTATCCAAAAATGATTTAGAGGTGTCCTTGCTACTTAGAATGAATATCA
 [C,T]
 GATAAGCCAAGTAAGAATCTATGAGTCTATTTTCCCGTAACATTTGCTTTCTTTAATAAA
 TTGGTAGAGAAAGATTTCCATGAAAGTACATTTGTGAGCAGTGGTGTGCTGGTAAATATTT
 AACAAACAGCTCTGGGTTTGAAGGGGACTGCTTATTTGTTTGCTGATTTCTGTGATATAA
 ATACTTCCACTGTGGCCAATATCAAGCTAACAATATGATACCATTTAATATTCAGTTGGG
 AAGATATTTACACAATCTGCTCTTGAGCCAATACAAGTTGGATTCTGCAAACCACTATGA

141673 GTTCAGGCCCCACAGACTGGATGGCTCAGCATCGCCAGGCATCCTGCCCTCTTTTGTGCAG
 TCACATCAGTCATTTCCCTCTGGCACATTTGTGAGCATCCCATCTCTTTCAATTGTTTT
 CAGGAAAACCTTGTGAGCCCACTTGGGTCCACAATCAATGGACCCTCCTCCAAATCTTA
 TGGCTTATAGTATTTCAAACCTGAAATGCACCTTGATTGCCTATGAATCTTGTTAAGAT

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GCAGATTCTGATTCAATTAGTCCAGGGTGCAGCCTGAGATGTTGCATTCTTTTTTTTTT
 [-, T]
 ATTTTTATTTATTTTTTTTTTTTTTGGAGACGGAGTCTCGCTCTGTGCGCCAGGCTGGAGTG
 CAGTGGCGGGATCTCGGCTCACTGCAAGCTCCGCTCCCGGGTTACGCCATTCTCCTGC
 CTCAGCCTCCCAAGTAGCTGGGACTACAGGCGCCCGCCACTACGCCCGGCTAATTTTTTG
 TATTTTTAGTAGAGACGGGGTTTACCGTTTTAGCCAGGATGGTCTCGATCTCCTGACCT
 CGTGATCCGCCCGCCTCGGCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCC

141688 CTGGATGGCTCAGCATCGCCAGGCATCCTGCCCTCTTTGTGCAGTCACATCAGTCATTT
 CCCTCTGGCACATTGTGAGCATCCCATCTCTTTCAATTGTTTTAGGAAAACCTTGTC
 AGCCCACTTGGGTCCACAATCAATGGACCTCCTCCAAATTTCTATGGCTTATAGTATTC
 TCAAACCTGAAATGCACCTTGATTGCCATGAATCTTGTAAAGATGCAGATTCTGATTCA
 ATTAGTCCAGGGTGCAGCCTGAGATGTTGCATTCTTTTTTTTTTTATTTTATTTATTT
 [T, A]
 TTTTTTTTTGAGACGGAGTCTCGCTCTGTGCGCCAGGCTGGAGTGCAGTGGCGGGATCTC
 GGCTCACTGCAAGCTCCGCTCCCGGGTTACGCCATTCTCTGCCTCAGCCTCCCAAGT
 AGCTGGGACTACAGGCGCCCGCCACTACGCCCGGCTAATTTTTTGTATTTTGTAGTAGA
 CGGGGTTTACCGTTTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCGCC
 TCGGCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCCCGGCGGATGTTGCAT

141736 CATCAGTCATTTCCCTCTGGCACATTGTGAGCATCCCATCTCTTTCAATTGTTTTAG
 GAAAACCTTGTGAGCCCACTTGGGTCCACAATCAATGGACCTCCTCCAAATTTCTATGG
 CTTATAGTATTTCTCAAACCTGAAATGCACCTTGATTGCCATGAATCTTGTAAAGATGCA
 GATTCTGATTCAATTAGTCCAGGGTGCAGCCTGAGATGTTGCATTCTTTTTTTTTTTAT
 TTTTATTTATTTTTTTTTTTTTGAGACGGAGTCTCGCTCTGTGCGCCAGGCTGGAGTGCA
 [G, C]
 TGGCGGGATCTCGGCTCACTGCAAGCTCCGCTCCCGGGTTACGCCATTCTCCTGCCTC
 AGCTCCCAAGTAGCTGGGACTACAGGCGCCCGCCACTACGCCCGGCTAATTTTTTGTAT
 TTTAGTAGAGACGGGGTTTACCGTTTTAGCCAGGATGGTCTCGATCTCCTGACCTCGT
 GATCCGCCCGCCTCGGCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCCCGG
 CCGATGTTGCATTCTTATAATCCCTCTGCTAATTCCTATGCTGCTGGTCTGTTCCCTAT

141982 TTATTTTTTTTTTTTTGAGACGGAGTCTCGCTCTGTGCGCCAGGCTGGAGTGCAGTGGCG
 GGATCTCGGCTCACTGCAAGCTCCGCTCCCGGGTTACGCCATTCTCCTGCCTCAGCCT
 CCCAAGTAGCTGGGACTACAGGCGCCCGCCACTACGCCCGGCTAATTTTTTGTATTTTA
 GTAGAGACGGGGTTTACCGTTTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCC
 GCCCGCTCGGCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCCCGGCGGAT
 [T, C, G]
 TTGCATTTCTTATAATCCCTCTGCTAATTCCTATGCTGCTGGTCTGTTTCCTATGTATAC
 CTTGATTAATAATGAATAGAAAATGGGCTCCTGAAAGCAGCACTTCACCTCTAGATGAA
 GAAAGACTTGGAAAACCACTGCTGAACAGACTTTGTCATAATCTCTTTAGGAAAAACAC
 ATTTAAAGGAATGGAAGAAAAGGAGGAGCAACCTGAGGGAAGACTTTCTGTTTACCCC
 AGGACGAGGATGAAGAGAGGTGGCAAGGCAGGGAAGAGGCAAGTTAATCATATTACAA

150406 CAGCACCCACGGACATCTCAAAATAAGTAAACCGCTGGGAAGGCTATATGTCATCCCAT
 GGATCATCACTTAGCTAAATATAAATCATATAGTAGTTATTATACTAAAGGTCATGCTAA
 TAAGGCAGAGGGCATCCTTAAGTGGCCTTGCTTGGGTATCATGGCTCAGATTTGGAACA
 AATCAATTAAGCAGAAAATTAATAAGTATCAATCATAGCTTTAAGGTTGGATAGAAACA
 AATGTAATAGAGTAAACCTTATAGAATGTGTGTTTCAGACAGTCTCTGCATATACCAC
 [G, C]
 GTATGGTTTTCTTTAGTTGATGAATTTATTTCCATGCATGCAGGTTTCACAGTTGTGC
 TCCATACTTATGTGCTTACCACTTGGAGAACATTGTTATGATGGCCAAAGAAAGCTAAGC
 TGCCATATGAAAGGAATCTTTCAGATCTGCCTTTGAGTCTGACTTTCCCATGTGATTG
 CACTGTGATTTTAAGGAACATAATTTCTGTCTATCTGCAGTTTTCAAATTTGTTTTTCATC
 AATAAATGCAGTTAGTAATACCAATCTGAAAAATTTACTGTATTAAGTGAGACAACATG

150903 AACATAATTTCTGTCATCTGCAGTTTTCAAATTTGTTTTTCATCAATAAAATGCAGTTAG
 TAATACCAATCTGAAAAATTTACTGTATTAAGTGAGACAACATGTATTTGATATAACACA
 TATGTTAACATACAGTAACATACATGCTGTTACTGTATTTTCGCTCAATCAGTGACAGGA
 GCTATTACTACCAAAACAGATATAGAATGGTTAGATGGTGCTTATCACCTCTGTCTACT
 TGTTAGAATCGGACTTATCTTTTAAGACCCAGCTCAAAGACGTCCTCCTTGATTGACGT
 [G, C]
 AGAAGATGTCTCTACCAGGACTCTTTGACTAATCTCCCTGATCATTTTTCTCCTTTCTT

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AGAACATATCCTATGCTGCCTTACAGTACTGAGGTTGTGAACCTGACTGTTGCCCTAGCG
TAGGTTGAAAACTGGGATGTCTTTGTAAACAAGTCTTTGGAAAGCACTTTAAAAAGAAT
AGTAAGTAGTTATATTATAAAAAATTACAGACACAGGATGAACAACAACATACAAAAAAC
TATTCAAATATCACTCACGTGAATACAGTCATGTACTGCTTAATGACAGGAATATGTTCT

152612 GTTGTGGCAGTGTGATAGTATTAAGAGGTGGGGTCATTAAGAGGCAATTCACCTCATGAG
GACTCCCTCCTTATGAATGGGATTAAGTGCCCTTATCAAAGGGCTTGATGGAGTGAGTTC
ATCCCTCTTGTCTTCTACCTCCACCATGTGAGGACACAGTGTTCCTTCACTGCAGAGG
ATCAAGCAATAATACGCCATGTTGGCAGCAGGGAGCAGCCCTTACCACACAACCGAACCT
GCTGTTGCCTTGATCTTGGACTTCCCAGCCTCCAGGACTGTGAGAAATAAATTTATGTTCT
[T, C]
TTATAAATTACCCAGTCCGTGGTATTTTGTGACAATAGCACAGATAGGCTAAGAAAAGGA
CAGAAGTGTACTGACAGTTTCCATATGCAGATTTCAAGGAGAGCTTTATCTGAAAAATAT
GAGCTGGAAGTAAGGAGTTGCACAACCTCATAGTCATGACAAGGACACTTAGTCTGTATGC
ATGTGAGGAGTTTAAATAAATTGTATTTTCATGAAATTTTCAGAGTGGGAAAAAGCAGTAGC
TCTAAATATTTTATATAATATGGGAACATAAGTTTAAATTTGTTACTAAATTAACAATGT

153900 TGGGTGAACACTACTGATCTTACCACAACAGTCTATCTTAGTTACCTGACTCTGAAATTA
GGGTAATGAACAAAACCCAAATATATAATTGAATCATGTGAAATTTATGTTCCAATTAGA
TAGAGAAACAAATACCTTTATTTCTTTTACAAAATAATATATTGACTTGTACCAAAATGAA
CTATTATAAAATAGGCTTATTTCTTCATATTCTATCATAAACTGATGACAAAAACAATA
TTTTATTTAGTTTTAAATTTCTTGATTAACCTAAAAAGCAAAATATAATTA AAAAGGA
[G, A]
TGAGCTATAAATCCCTTGTGTACCTAGGTGAGCAGGCGTATTTGTTACAGCAGCAAGTGTA
GCCTAGCCTGACCAATACAATTGAGAAATATCATATTGTACTTTACAGAATCAAAGACAC
CATCAATTTTGTAGATGAATCATTTATATTATATATCATTAATAAACTACTGTCCATGAAA
TTATGATATGCCGTCTATTTTAAAGATGCATCTCCATTTTCAGAGGTGTTCAAATGTCAAT
ATATGTGAGGCATTTATTAAGTTGGTTCTTGAATCTCTTAATTCAGTCTATAATATGTAA

158595 GTAATCCTCCCAAGGCTCCTTGGGATGTGTCTGCCTAAGAACTACTGGGAATTAAGGG
TTGTATGAAGTATAGTCTGTATTACAGGTGCACACTTGTCTTCTTTGTTTGTATCAGTTA
GTCTCCCATGGAATTCATGACAGCACTTTCCATATGACAGAACGTTAGCAAATATTGGT
TGAATCACTATTTTTTAATAACAGGCCTAGTAGGGCCATTACGTGAAAATATTTTTTTAG
TGGTGTGTTGACTGGATCCTCTGGAAGCAGATAATAGGACAGAGTTAGAAGTATAAGA
[G, T]
CTGTAATAGGGTAAAGTCTGTTGAAAGAAAACCTGATAGAAAGATTGGGAGTAGGCAGAGA
ACCTTCAGACTATGATGCAGGTCTGACACCTGTGAAAGGCAAGCAGGAAGGAAAACAGAC
TGGGCAAGAAGAGTCTCAGACAGCACTGGAGCTCTGAGACAGCCTCATTAGCCCAATGG
GTGGCTTTGAACCAGCTTTTACTGGTTCAAAGATTTCCCATAGAGGAATCCCATATTGGA
CAGAAATGCTATTTCCCTACTGTCCCCACCAACTCAAATGCTCAACTGATCCCCAATATC

162718 ACCAAGGATTGCCAACAGCCACCAGAAGCTAGGAAGGAGGGGAGGCCTGGAACAGATTCT
TCCTCAGAGCTTCCAGAAGGAACCAACCTGCCAGTGCCCTGATTTTGGACTTCTGACCT
CCAGAATTGTGAGAGAATAAATTTCTGTTGTTTTAAGTCACCAAATTTGTGGGACTTCAT
TACAGCAGGCCTAGGAACTAAAACACTTCTTGTCTTAGTCTGTTTCAAGGCTGTTGTAACA
AAATACCATAGACTAGGTGGCTTATAAACAACAGAAATTTATTTATTACCATTCTGGAGA
[-, C]
TGGGAAATCCAACATCAATGCATTGGCAGATTTCAGTGTCTGGCAAGGGCCTATTTTCTGG
TTCATAGATGACTTCTCACTGCATCTTTTATAAGGGTACTAATCCCATTCATGAAGC
CTCCATTCTCACAATCTCATACCCCTCAAAGGCTCCAACCTCTAATATCATCACATTGG
TGATTACGTTTCAACATATCAATTTAGGGGAGACACAAACATTA AAACCAAACCATTTCC
TTTATTCACTTTAAAAACATAAACCTTTTATCTCATTTTGTATAGCAGTCAAGAGAAC

164528 AAAGGTGAGTTGGAAAAAGCCTTAGTGTACAGACTTCTTTAACAGCAGGAAATCAATTA
ATAGTATCTAAAAGTGAAACACATAGCCAATAAAGATACAATGACTGCAGCCTCTTAC
ATTGTTATAAATTATTATTTCTTATCCTTACAGAGGTATGTTATTAACFAATATCTCTGTG
GTAAAGGAACAATTATCTAAAGTTTACGCAACTACTCAGTTTTCAGTTTTTTCTTTGATAAT
TTCAAAAAATACATTTAATACCTAGAAAAATAATACTGTATTGATTCTCATTGCCGCT
[G, A]
TAACAAATAATCACAACTTAGTGGCTTAAGCAATGCAAATGGACTCTCTTACAGCTCTG
GAGATTAAAAGTCCAAGATTGGTCTCACTGGGCTAAAATCAAGATGTCCTGGCCTGCAT
TCCTTCTGGAGGCTTAGTGACCTTGCTGTTTCCAGCTCATAGAGTCTCTGCATTCCTGG
TTTGTGCCCTCCTTTCTATTTTCAAAGCTAGCAACACTGGACCAAGCCCTTCTGTATGC

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TGCCATCTCTCTGGTTCTCCCTCTTCTGTGCTGTGCCCTCTTCTATTTTAAGGACTCTT

165214 TTAACCTCTGCTTTGCCATGTAAGATAACATATTCAAAAACCTCTGGGGATTAGGATGTGAA
CATTGTTTGGGGGTTATTATTCTGCCTACTACAAATACTCTGAATTCTGATAAAAAAAT
ACAAATGTTTTAAAAAGAGAGTTAAGGACAGTCTTTTCAACAAATGATATTAGGAAGACTGG
ATATCTCATGCAAAAGAATAAAGCTAGACCCTTACCTCATACCAAAAATTTAAATTTAAAA
TAGATCAAAAACCTAAAACCTATAAAAAACACATAGAAGAAAGCTCATGACATTGGATATGA
[C, G]
AGTAATTTATTGATATGACACCAAAAAGTACCAGCAACAAAAGAAAACATAAACATGGATT
TCATCAAAATGAGAAATTTTTATGTATCAAAGAACAGTATCAACATAGTAAAGTGGCAAC
CCACAGAACGGGAGAGAATATTGCAAAGCACATATCCAATAAGGGATTAAATATCCAGAA
TATATAAAGAACTCTTGAAAACAAACAAATCAAAACAGCCCAATTAAAAAATGGACAAA
AGATTTGAATAGAAATTTCTCCAAAGAAGATATACAGATGGCCAATAAGCACATAAAATG

166052 TTCCACATGTGATTATATACCCTCCAAAATTGAAAGCAGGGTCTCAAAGAGATATTTGTA
TACCGATGTTACAGCAGCACTATTACCATAGCCAAAAGGTGAAAACAACCTCAAATGTC
CATTGATGGATGAATGGATAAACAAAGTATAACATACATACAATGGAATATTATTACGCC
TTGAAAAGGAAGAAAATTCTGATACATGCCACCATGTAATGAACCTTGAAGACATTATGC
TACATGCAATAAGCCAGACACAAGGGGACAAATATTGCATAATTCTGCTTTAATGAGCTA
[C, T]
GTATAGCAGCCAAAATCATAGAGACAGAAAGTAGAACTGTGGTTGTTCAGGGTCTTGGGGG
AAGGAAGTAATGGGGAGTTATTGTTTCATGGTACAGAGTTTCCATTGGAAGATAAAAA
GTTCTGGACAGGGATGGTGGTGTGGTTGCACAACAGTGTGATGGTGTGGTAAATCGGCTG
GTGTCCCCAGCTACTGAATAAACTCTAGGTTAGCAGCTTTCAAACCTTTTGGCACCAGGA
CACCTTAACACGCTTAAAAATTGCTTGGGACACTGAAGAGCTTTTGTTTACATGGTTATA

170782 CTTAGGGATTCTTAGTCAGCCTAGGAAATCCAGCTAGTCCTGTCTCTGAGTACCCCTCT
CAACAGGAAAACCAAGTGCTGTTGGGGAGGATGGCCGATGACTGCTCTAACTGCTTCCT
GCTGAATTGGGGCGTAGTGGGGGTTATGCAGTTGAGATTTCCCTCTGGAGGGGTGCCTTCG
ATGTCATTAAACATCGGAGCATGGGCTAGCAGGCCGGTCCAGGGGTCTGCGGTAGATCTTA
GTCATGGACTGCGTCTGGGGCTCCATTGGAAGAACAATTTGTAGTTTGTAGAGCTTCAATT
[T, C]
TGGAAGAGACAACTTAACAAGGAGGTTAAAGATACAGGGATTGAAATGTATGGCCTGAA
GTGCAGGGGATTATTTCTTTGGGACACTTCACAGGCCCTGACTATCTGCTTGATAGTTTT
GAAAAGGCCTGGCCAGTAAATAATAATTTGGCCATCTGATGGGTACTATCAATGCCTAA
GTGGAAGGTTAGGTGAAGGGTTTTAAGTAATTTCTATTGGTTAGCTGCAGGCAAAATATT
TTTCCTTCTCTGGTGGCTAGCCATCTGGAGGGGAGGAAGTATGTCCTCGTGAGGTTCCC

171439 TACTAGGGGTCTTCTATAAGCATTCTAATGGAGGGTCTGCCTTGCAGCTCTTTTGAC
TTCAATATCTGCTTGGCGGTTCCCTTCTATTTCCTTTCCCTTTCTGATGATGATG
GCAGTGTAAAGACTGCCACCTCTTCAGGTTTCTGTACAGCCAATAATAATCTCCTAATGGC
TTCTTGATGTTTGATAGGTGTTCCCTCGAAATTAGGAATTCCTTTCTCTCCATATTGCT
GCATGGGCATGGAGGACTAGGTAAGCATACTTAGAGTCTGTATATATATTTACCCTTTTT
[C, T]
CCTTCTCCTAATTCTAGTGCCCGAGTGAGGGCTGTAGTTTTGCCAGCTGAGCACTAGTT
CCTGGAGTGAGGGGTTTACTTTCAAGTATTCCATTATCACTGACCACTGCATACCCTGCT
TTTCAAAGTCCTTTTCTACAAAGGAACTTCCATCAGTATACAAGCTGAGGTGCGGATCA
GTCAAGGGACCTCTAAAAGGTCCCTTCAAGTGGCATAGGTTTGAAGCAATTACTTGTGA
CAGTTACATTCTATCTTTTCTTATTGTCTGGAAGAAATGTGGCTGGGTAAAGAGTTGCA

175068 TTTGGTATTGTTTGGGAGGTATCATTTTAGTAGAAACAAAGGAAATGAGAGAGCAAACCTC
TGTACATATCTAGGGGAAATGTTCTCTCTGACAGAAATGTGCCTCTCCTTTTACCCAGCA
TTTTCTTGTAGTAGTTTATCATCCAGAAATACCTCTACAACTTTGCAAAGTTATGTGTT
CACCACAACATTGAAGTGTGTAAGTAAATTTAGGTTGAGAGTTTATCATGAGTGGAGATT
TTTCTCTGAGCAAATGCTAAACAGCAGGTTGTAGGAATGTCCCTCCAGTCATTTTTTTTT
[-, T]
CTTTCTGGCAGGCATCCTGTATAACTACTCCAGACCAATTTAATGTTAATTTCTCATGAA
ATCCTACAGCACATGAGAAATGTAAATTCAGATTTTTATTATTTTATTTTATTTTATTTGAG
ACAGAGTCTCGTTCTGTGCGCCAGGCTGGAGCGCAGTGGCACAATCTCTGCTCGCTGCAA
TCTCTGCCTCACCAGGATCAAGCGATTCTCTGCCTCAGCCTCTGAATAGCTGGGATTGT
AGGTGTGCACAACCACCTGGCTAATTTTTGTATTTTTAGTAGAGACGGGGTTTACCA

178314 TACTACAATGCAAAATGTACAACACATCTATTTCTCCCTACTCTATTAATAGGCCAAAATT

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[illegible]

AGGTGGGAATTGAACAATGAGAACACTTGGTCACAGGAAGGGGAACATCACACACCGGGG
[A, C]
CTGTTGTGGGGCGGGGGGAGGGGGAAGGGATAGCATTAGGAGATATACCTAATGTAAATG
ACGAGTTAATGGGTGCAGCACACCAACATGGCACACGTATACATATGTAACAGACCTGCA
CGTTTGTGCACATGTACCCTAGAACTTAAAGTATAACAAAAAATATATAAAAAAAGGA
AAAGAAAGATATTGTCTACCATGGGGGTGTGGGAGGTCTGTGAGCTTGCCTTTCTCTGGG
CAAGGGGGTTGCCAGAAGGCTGGGGTTGGGCATTTATTCAACCTGTGCATGTAGATATG

192900 CATTCTCAGCAAACCTAACACAAGAACAGAAAACCAAACACTGCATGTTCTCACTCATAAG
TGGGAGTTGAACAATGAGAACACATGGACACAGGGAGGGGAACATCACACACTGGGGTCT
GTCAGGGGTGGGGGACTAGGGGAGGGACAGCATTAGGAGAAATACCTAATGTGGATGAT
GGGTTGATGGGTGCAGCAAACCTGGGTGTAGCAAACCATCAGGACGCGTGTGTATCCATG
GAACAAACCTGCATGTTCTGCACATGTATCCCCAACTTAAAGTATACAAAAAAGGA
[-, A, G]
AGGAATAAGAGATTAGGACACAGGGACACCAGGGTATGCATGCACAGAGGATGACCTGT
GAAGAAGCAGCAAGAGGGAAGCCAAGGAGAAAGGCCCTCAGAGGAATCCAACCTGCTGGC
CCCTTAATCTCCAACCTCCAGAACTCTGGGAAATAAATTTCTATTGTTTAAATCACCCAA
TCTGTGGTATCTTCTCATTACAGCTCTGGCTGACTTAATACAGCAGCCAACATGCACAGC
AGCTAGCAGACGAGGGTGTGCCAATTATACTTTGGAGTGTGTCTGGGAAGAGAATTTGTG

193005 CACACACTGGGGTCTGTGAGGGGTGGGGGACTAGGGGAGGGACAGCATTAGGAGAAATA
CCTAATGTGGATGATGGGTTGATGGGTGCAGCAAACCTGGGTGTAGCAAACCATCAGGAC
GCGTGTGTATCCATGGAACAAACCTGCATGTTCTGCACATGTATCCCCAACTTAAAGTA
TACAAAAAAGAGGAATAAGAGATTAGGACACAGGGACACCAGGGTATGCATGCA
CAGAGGATGACCTTGTGAAGAAGCAGCAAGAGGGAAGCCAAGGAGAAAGGCCCTCAGAGGA
[A, T]
TCCAACCTGCTGGCCCCCTTAATCTCCAACCTCCAGAACTCTGGGAAATAAATTTCTATT
GTTTAAATCACCCAATCTGTGGTATCTTCTCATTACAGCTCTGGCTGACTTAATACAGCA
GCCAACATGCACAGCAGCTAGCAGACGAGGGTGTGCCAATTATACTTTGGAGTGTGTCTG
GGAAGAGAATTTGTGTGGGGCATTGTAGTAGCCACTACCCCACTTACAAATGAGAACA
CCGTGACCCAGAGAAGTGAAGTAGCCACCTGAGGTACACAGCCAATAAGCAACGGGAGG

195888 CTGAACCTTACTTTTCTTATCTGAAAAGTGGGCAGAAAAATGTCATTCTAGTCTACATTG
AAGAGTTGTGCAAAGATCAAATGGTATCTTTGTGCTATTAAATGGTATCAAATTTTGT
GGTATCAAATGTATATCAGCATGCTTTTAAACTGTAAATGCACACAAATATAAAGATT
ATAACTTTGGGCTGCTCACCTTAGCTTTGTCTTTTCTATCAACAAAATGGGAGTAGTT
GAATTACTTATACCTCTATGGAGATTTTAAAGTAATTTAGACAACCTAATAGCACAGTAACT
[C, T]
GAGCTCTTCTAAGGTAAAGTTTTTCTTACGTTTATGTTTTGTCTTTAACATACAAAGGTT
GAAATATGTAGAAATAGTATAAATCTTTTAGATTTTATATAGTGTATACTCTTATTGT
AACTAGTCACATTCTAGAGCAGTGATTCTGAGAGGGCAGCCTCCAAACCAGCAGCATCAG
CATCAGCTGGGAACCTTGTGAGTAATGCAGATTCTCAGGTACCACACCAGACCTGCTGAAT
CAGCAAGTCTTGGGGTGGGACCCAGAGATCCGTTTTTAAACAGCCCACAGGTGATCCTGAT

196643 TTCATAAACACATTCTGTTACTGCTTGCCCTGGCATAACAGAAGATCTGGAATGCCACTCCA
GTATACCCATTATGAGGCTGACTTCAGGGTGAAGGAAATTAAAGCTGTTATCAGACTC
TTTTCCCCCTTAGTGACAGGAGAAAGGAATCTTAAGCTAAGAAGGCTTCAAGTTGGGTCTA
TGTATGAAAAACATGAGGCGTGACAAACACAGTTTGAACGGACTTACGTTTTTTTGGACT
TTTCCCTTTGAAAATGAAAATGAGTCCTTTTGTGGGCAGCACCAATTAGTGGTGCTTAC
[T, C]
TAAGAAATACTGGAGACAGATTCAATCCAGTTTGTTCATAACTTAGGTGGCAGAATGGC
ACTTTTCCCTGGCCACTTCTTCCCTTCTTCCCTTCTAGGAGGAAATCTAGGTAGGAGA
GGGAAAGGGACTAAGGCTGTCTGTACACAATGAGCTACGTTTTGGGAAGAGGAGCTTAGT
GTTTTAACAAAAGAAAGGTTTGTCTGTGTTGTAGAGATATGACTTGGTCCACTGCCTATG
TTTGTAATAAAGTTTATTGGGACATAGCCACACTCATTATTTATGTATTGTCTGTTT

198793 AAAAAATCTTTTATACTGTATTTTACTGTACATTTTAAATGTTAAGATACACAAGTACT
TACCACTGTATTACAATTGTCTACAGTATTCAGTGTAGTAACATGCTGTACAGGGTTGTA
GCCTAGGAGCAATAGGCTATACCACATAAACATAGATGTGTAGTAGGTTATACCATCGAG
GTTTGTAAATAAGTACACTCTATGATGTTTACACAATGATGAAATCACCTGAATGACATAT
TCCTCAGAACATATCCTCGTTGTTAAGTGTATGCATGACTTATTTCTTCCCTGGTGTGGGT
[G, A]
TTACAGGAAAACTACTGAGTGTTCCTTATTTGATACATACTTTGCATCCATTATACT

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212346 TTCTAGAGATTGACTTTTCAGCCATGACCTGGAGGATGGAAAGGAGCCAGCCCTTGATGG
GACAAAAGGGAACCTGGGAGAAGAGTGCTTCACAGAGAGGGAACAGAGAGTGAGGGAAAGC
TCCAGGTTCATGAAAACTGGGCGCGTTCCAGAACTGCATAGTGAGCAAAAAGATCATAG
TGAGCAAAAAGATCTTGGGGATGATAGAGATATTCTTTACCTTGCTTTAGGTGGCATATA
CACAGGTGTATACATTTTTGAAAACCTCATAGAATTGTACCCTTAAGATCTTGCATTTTAC
[G, T]
ATGTGCAAATTTTATCTCAATAAAAAATAATGCATCATTAATAATTACATCAAAAAAGAA
AACTACAAAAAACTACAACAGAGTTGCAATATTCATGTAGATAGATGAGCTCTATAGG
TCTGCAGCCTGCATTGAGGCCACTTCCTGGCTGCTTGTGGACAGTGCCTGGCCACAGCTT
CAAGAAGGTCTGGATACACTCAAATGAAGCCTCTCAGGAAAAAAAACATGGGTCCAGA
GTGACTCTGGGTGAGGAGGGAAGAGAGGGTTTTGCATGATTTGGTGGGATTTACTT

216030 GAGGAAGGAGACTTGAAGAACATTTAAGTTCATCAACAAAGAAGCCGTTGTTATTTTCAC
AGCATTTGAAAATCTGGCTTCCCAGCACTTGGCTGAGATGACTGAAGGCTGGTGACACTG
TAATTTGGCATCTAGCAAGATGCAGTTACTCTCTCAGGCCACTTAGCTCCAGTAAAGTTC
AATTTAAATTATGAAACAGGGAAGAAATGCAAAAGTCCAATCAGCAGCATAATTCTCAA
TCACACTGGCCATAATATGCTCCTGAAAGATGTTTTCTTTGACTGAATCTTTGCTACGCC
[C, T]
GGCTGATTTTTGTATTTTTAGTCAAGTCGGGGTTTTGACCATGTTGGCCAGTCTGGTCTTG
AACTTCTGACCTCAGGTGATCTGCCCACCTTGGACTCCCAAAATGCTGGGATTACAGGCG
TGAGCCACTGTGCCCAGCCATAAATTTCTTAATTTTCTTAGTATAACCACAAACCTGAAA
ATAATTAATACTTTTCCAGATCATTAGGATGCTGTTTTGGATTATTTCAAGCCTGCTTG
GTGGAGGACAAATTTATTTTGTATTGAAGACAATATTTTAAATCAAATACAGTTCTGTGA

216597 AAGACAATATTTTTAATCAAATACAGTTCTGTGATTTCCCCAACCGTTATGGGGGAAGTC
TGACTCTTAATGAGGGTTAAGGTAAATGACGAGTGGTATTCTTAGATTTAGCACTCCTTG
AAGACCATACTTTCCAAAGAAGAGCTAGTTGTTCTCCAAGGGAAGAAATGCATTAGATT
TCTGCTGTATTGACTAAATTGTAAATGAATAAAATATTTCTTTTATTTCTAATAGCATT
ACTATGTTTTATAGATTTAATATGTATTTATTTATAGATAATTTGGAAAAGACATAAGCACA
[C, G]
GAAGGAGACAATAAAGATCACTCATAATTTAATCTTTTAGTCAAACCACTGCTAACATT
TTTTGTATGTTTTTCCCATGACAGATAGAGCAATAAATCTAGAGATTGTTATGGAGAGA
GTGATGTAGATATACATAAAGTTATTTTTCTTTTTAAAAATAGGATTATACTGAAATAAT
TTTGAACAGATTTTTTTTCGCCCTAAATGTAGTAAGAACATTTTCCATGTTATTAAG
TATCCTTCTACCATACAGGGAAAAATAACATTTCTCCCTATTTTGACAGGACAGTGATA

218212 CTTAGATTAGATGACTAATTTTCAATCTAGGCTCCTTAGAGACCTCCAGGATGAGGGGTT
GGTGGTACTAAGCAGCATGAGAACAGAAGCTGTGTCTGTACTGCTCATCTCTATTTTTCC
AGAGTCTAACACTGTGTCTGGTGCAGCAGAGGCTCTTAAAAATATTTTAAATATTTGT
GGTCAAGGTGGTGGCTCACACCTGTAATCCCAACGTTTTGGGAGGCTGAGGTGGGAGGA
TCACTCGAGGTGAGGAGTTTGAGACCAGTCTGGGCAACATAGCAAGACCCCGTCTTAAC
[A, C]
AAATTTTTTAAATTCAGCCAGGCATGATAGCCTGTGCCTGGAGTCCCTAACTCCATGGGA
TGCTGAAACTAGGAGATTCCTTGAGCCCAAGAGATTTAGGCTGCGGTGAGTTGTGATTAT
ACCCTGTACTTCAGCCTGGGTGCTAGAGTGAGACCTATCTCAAAAATATATATTATG
TTATAATTTCTATAAAGTAAAGGGGTACAGTGCAGTTTCTTACACAGATATATTGCACA
GTGGTAAAGTCTGGGCTTTTGGTGTAAATCATCACCTGAATATGGTACATTATACCCATTA

225907 ATCCGGGGACAATTTAAGCTTAAGTATGTCAGAGTATAAGCTTTTTCACTTCAAAATGAA
ACCTCTGTGAATTGAACTAGGCTTTACTCATGCTCATTATCTGCCTAGGCACTTTGGTAA
TGCCCAAGGTGCCTGCAGAGCATGTCAAGATATGTATGTATCTTCTACAAACATCTTCAAG
AGCTTCTTCTATCTCTTAACCAGAGAAGAAAGAAAAACAGACATACACATGTCTTTCTG
GTAATTTCAACCAAGAAATTTTAACTTCGAAACCTGAAAATGCTGTGTGTAGTGGCTT
[-, G]
ACCCCATTCCTGACCCCAATTTAGTTTTGAATTTCTACTTGGAAACAGGGACAGTGATATTTT
TCTTTCTTACATCACAGATGAGTGGACTTAATGAATGAGTTAGCATTTGTGTGGCTTCAG
GAGATCCTGAAGATGACTTTTTGCATTTCAAGTTCAGTGTATTAGTCTCCTTTATAGCAT
CAAGGTGAGATTAAAGCCTTGAGATCAGTGATTTTCACTTGGGCATGCATCTGAATTA
CCTAGAGGGCTTAAATACAGGTTTGGTATGTGTCCAAGAATTTGTATTTCTGACAACCTT

229343 ATACTCAGTTGTTTTCACTTCTGAGCTTTTCACACTGCTTGATCCTTTCTAGAGAATGCT
TCCCTCCCGACTGCTTGGCAGCTCTACTTCTATCTTTCTATTCAATTCATTAAGTGATTA

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TTGAAAAAAGTTGTATGCCATACTATGTGTTGGCCTCTGAGAATATTTTCAGTGAACAC
AACCTTGCCCTGCCCTCAGAAACACCAGAATTACAAACCTTCTACTTCTCTGTAAAGCTT
TCCTTGGGTGCCAACCTGATTAGACCATGTCCAAATAAGGCAAATGCCAGCTGTAACCA
[G, A]
TAAAGCTGGTTCTATACCTCACTTCCATTTTCTATCGATAAATGCTGCTTGCCCTGCAGAA
TAGAGTTCTCCAAACCTCTTGTGGTTCTGAGGGCTGTCCAATTCATAAATCATTCTTTGC
TTAAATAAACAGTTAAATTTGTCTCCAAAGGCTGGGAAGGAGAGAAGAGAGGAAGATAAG
AAGAGATTGGTCAATGAGTATAAAGTTAAATTAGATAGGAGGAGTAAATTTCTGGTATTC
TATTGCACAGTTGGGTGACCGTGGTTAGCAATATCATATTGTACATTTCAAATGGCTAG

230880 GTGCCACTATGCCTGGCTAATTTTTTTTTTTTTTTTGTATTTTTTGTAGAGATGGGGTTTT
GCCATGTTGCTCAGGCTGGTCTTGAACCCCTGGGCTCAAGTGGTTCACCTGACTCAGCCT
CCCAAAGTGCTGGGATTACAGATGTGAACCTACCATGTCCAGCCAAATTCATCTTACTGGC
AGAGGCTGGTCATATTTCTACACCCTAATTACATGGGAGACTGGTAAGTTAGTCTTCGGC
ATTCATGGCTTTAATGGGAGCCAGGCTCTGTCTCAGAAAGTAAAGATTCCCCTTACAAG
[G, A]
GAAATGAGAATGTAAGGCCAAAAATAACAAATATTTACTATATTAATGAGCTCCACTGTT
GTAAGGATAGAATTTTAGGAATAACTAGAGATGTGAAAGGAGAGATGGCCCTTGCGGTGT
CTTGTGGAAACATCTCCTCTTTTGGCTTTTATAGAAGCTAAGGAGTACATGATACCAGGT
AATCATTTTTCAATTTATCTTCTGTCTGCTGACGATAGTGAGAGCTACATGCTTCCCC
GCAATTGTCAGGATTCACATTCTAATGAAAAGTGAGAACGCATCCTGGTGGTAATGTAAG

230881 TGCCACTATGCCTGGCTAATTTTTTTTTTTTTTTTGTATTTTTTGTAGAGATGGGGTTTTG
CCATGTTGCTCAGGCTGGTCTTGAACCCCTGGGCTCAAGTGGTTCACCTGACTCAGCCTC
CCAAAGTGCTGGGATTACAGATGTGAACCTACCATGTCCAGCCAAATTCATCTTACTGGCA
GAGGCTGGTCATATTTCTACACCCTAATTACATGGGAGACTGGTAAGTTAGTCTTCGGCA
TTCATGGCTTTAATGGGAGCCAGGCTCTGTCTCAGAAAGTAAAGATTCCCCTTACAAG
[G, A]
AAATGAGAATGTAAGGCCAAAAATAACAAATATTTACTATATTAATGAGCTCCACTGTTG
TAAGGATAGAATTTTAGGAATAACTAGAGATGTGAAAGGAGAGATGGCCCTTGCGGTGT
TTGTGGAAACATCTCCTCTTTTGGCTTTTATAGAAGCTAAGGAGTACATGATACCAGGT
ATCATTTTTCAATTTATCTTCTGTCTGCTGACGATAGTGAGAGCTACATGCTTCCCCCG
CAATTGTCAGGATTCACATTCTAATGAAAAGTGAGAACGCATCCTGGTGGTAATGTAAG

231039 AGCCAAATTCATCTTACTGGCAGAGGCTGGTCATATTTCTACACCCTAATTACATGGGAG
ACTGGTAAGTTAGTCTTCGGCATTTCATGGCTTTAATGGGAGCCAGGCTCTGTCTCAGAA
GTAAAAGATTCCCCTTACAAGGGAAATGAGAATGTAAGGCCAAAAATAACAAATATTTACT
TATATTAATGAGCTCCACTGTTGTAAGGATAGAATTTTAGGAATAACTAGAGATGTGAAA
GGAGAGATGGCCCTTGCGGTGTCTTGTGAAACATCTCCTCTTTTGGCTTTTATAGAAGC
[T, A]
AAGGAGTACATGATACCAGGTAATCATTTTTCAATTTATCTTCTGTCTGCTGACGATAG
TGAGAGCTACATGCTTCCCCCGCAATTGTGAGGATTCACATTCTAATGAAAAGTGAGAAC
GCATCTGGTGGTAATGTAACTAGTACAACCACTATGGAAACAGTATGGAGATTCTCTT
AAAGAACTAAATGTAGAACTACCATTCATCCAGCAATCTCACTACTGGGTATCTACCCA
AAGGAAAAGAGTCATTATATGAAAAAGATACTTACACATGCATGTTATAGCAGCGAT

231100 CTGGTAAGTTAGTCTTCGGCATTTCATGGCTTTAATGGGAGCCAGGCTCTGTCTCAGAA
TAAAAGATTCCCCTTACAAGGGAAATGAGAATGTAAGGCCAAAAATAACAAATATTTACT
ATATTAATGAGCTCCACTGTTGTAAGGATAGAATTTTAGGAATAACTAGAGATGTGAAAG
GAGAGATGGCCCTTGCGGTGTCTTGTGAAACATCTCCTCTTTTGGCTTTTATAGAAGCT
AAGGAGTACATGATACCAGGTAATCATTTTTCAATTTATCTTCTGTCTGCTGACGATAG
[T, A]
GAGAGCTACATGCTTCCCCCGCAATTGTGAGGATTCACATTCTAATGAAAAGTGAGAAC
CATCCTGGTGGTAATGTAACTAGTACAACCACTATGGAAACAGTATGGAGATTCTCTTA
AAGAACTAAATGTAGAACTACCATTCATCCAGCAATCTCACTACTGGGTATCTACCCA
AGGAAAAGAGTCATTATATGAAAAAGATACTTACACATGCATGTTATAGCAGCGATT
GCAAAAAATATGGAACAGCATAAATGTTTCATCAACCAATGAGTAAAGAAAATGTGGTATA

231711 CACCATGGAACACTACTCATCCATAAAAAAGAACAAAATAATGGCATGCACAGCAACCTG
GATAGAGTTAGAGGGGCCATTATTTCTAAGTGAAGTAACTCAGGAATGGAAAACCAACAT
CATATGTTCTCACTTATAAGTGGGAGCTAAGCTGTGGGGACACAAAGGCAGAAATGATATA
ATGGACTCTGGGACTCAGGGGGAGGGGTGGGAGGGGTGAGGAATAAAGACTACACAT
GGGGCACAGTACACACTGCTCTAGTGATGGGTGCACCCAAATCTCAGAAACCATCACTAA

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[C, T, A]
GAACCTATCCATATAGCCAAAAACCACCTGTTCCCCAAAACTATTGAAATAAAATAAAA
CAAAAAATTTAAAAACTTAAAAAAGAGAAGGAAGTACTGCTGATACACTTTCTCTAAGT
ATTTGAATCAGTCTTGAAGCCAGATCAACCTCCTATTACAGAAAAGCAGGTTTGTTTTT
AAAGCTAAATTTCTTCATGTTGGCAGATAAGAATAATTAAACTCCCCAAACATTGGCTAG
TGTCTCCACAGGGAAAGCACAAATGAAAAAGTTAGGGTCTGGCTTCCACAAATCTCATCT

232431 GAATTTCCAACTCCTTAACCTCTTGTGTTTTTAATCATCTATAAAATTCAGGTGAATAT
TTGCAGTGTGAAATAACCATAATAAAAAATATTTTATTTTCTATCTTCTGGTATTTATCAT
ATTTCTTATAAGTAGCAAGTTTGCTTTTCCCAAGTTGATCCACTTTTCCCAACTATTTA
ATTTTGGTGTAGGCAGTGGAGTCCATTTGATACACTGAGAAGCTGCTCCATGCAAAGCAT
TGTGGTGGACATCATGGGGAGGTAGTGTAATTTGCCTTGGGTCTTTTGTAGCAATAATG
[C, T]
ACCTTTTATATATAAGTTTAATATACATTTAAGCTTTACTAGAGCCATAGAAGATAGGATT
CTTTTTTTTGTGTCAATGAGGCAACTGAGTCACAGATTTTACCTTTCCAAACATCACAG
AATCAAGATTCAAACCAAGTCTCTAAGCCAGCTCACATACTTGTCTAATATGCCCA
GCTCCCTTCCCTACTGGAAAGCATTGAGGTTGTTCTCTCCTAGACCATCTTCTCCTTTT
CCTCCTGTGCTTTTCTACTCCAGCATCCTAATGTGGTTTGGCATTGACACCGCTGATGCC

232503 ATAACCATAATAAAAAATATTTTATTTTCTATCTTCTGGTATTTATCATATTTCTCTATAAG
TAGCAAGTTTGTCTTTTCCCAAGTTGATCCACTTTTCCCAACTATTTAATTTTGGTGTAG
GCAGTGGAGTCTTATGATACACTGAGAAGCTGCTCCATGCAAAGCATTTGTGGTGGACAT
CATGGGGAGGTAGTGTAATTTGCCTTGGGTCTTTGTAGCAATAATGCACCTTTATATA
TAAGTTTAAATATACATTTAAGCTTTACTAGAGCCATAGAAGATAGGATTCTTTTTTTTGT
[G, A]
TCAATGAGGCAACTGAGTCACAGATTTTACCTTTCCAAACATCACAGAATCAAGATTCA
AACCCAAAGTCTCTAAGCCAGCTCACATACTTGTCTAATATGCCCAAGCTCCCTTCTCTA
CTGGAAAGCATTTGAGGTTGTTCTCTCCTAGACCATCTTCTCCTTTTCTCCTGTGCTT
TTCTACTCCAGCATCCTAATGTGGTTTGGCATTGACACCGCTGATGCCACAGGGTTGACA
ACAACCTCTTTGGCAGTGGCTTCTGCCCTGTACCAATAAAATCAATTCTCTGAAAGAGCT

233364 AGTGATGAAGGCCTGACAAGCCTTAGCCAAACCCTCAGAGAGCTCCAGTCCCATGGGTGT
TGCCAGCAAAGGCCATAATGGTTAGGTTCTCTACCTCTACCATGATCAGTCATTAAAGGT
TGCTACTTTGGAGGGGCATGATTTGGGGGAAGGCAGCTTCTGAGGCTGAAGAATTTCTCTG
AAGGGGCCACAGCTGGAGGCTGTCTACTCCCAACAGCTGGGGTAGCAAGTTCTTCTCTCA
AGGAGGATCTGCATAGTGCATCTCCATTTCTGGGGTGTGAGGTGTGAGGTGAGGCAGT
[A, G]
CAGAGACTACCTGTTTTGCAGATTCTTCGACAGTTTTGTTGCCATTCTGATGTCCACTA
TTGTACAGGAGAAGCTCAAGGAAAAATCTTACCAAGTTTGTGTGAGCTAAGCCTCTCA
GCAGAGTAGAGCAGCTTTCACAGTGCCTGCTGATTCACAGCCCCCTATAATAAGTCATG
GGGCTGTCTGAGAGGTTGGAGAAATGAGATGGAAGACATAATGATCACCCCAAATTT
CAACCTTTTAGAGGGGAAGTTCTGTCTGATGATCTTATTTTTTTTTTAATTATCACATGAA

233423 TTGCCAGCAAAGGCCATAATGGTTAGGTTCTCTACCTCTACCATGATCAGTCATTAAAGG
TTGCTACTTTGGAGGGGCATGATTTGGGGGAAGGCAGCTTCTGAGGCTGAAGAATTTCTCT
GAAGGGGCCACAGCTGGAGGCTGTCTACTCCCAACAGCTGGGGTAGCAAGTTCTTCTCTC
AAGGAGGATCTGCATAGTGCATCTCCATTTCTGGGGTGTGAGGTGTGAGGTGAGGCAG
TACAGAGACTACCTGTTTTGCAGATTCTTCGACAGTTTTGTTGCCATTCTGATGTCCAC
[C, T]
ATTGTACAGGAGAAGCTCAAGGAAAAATCTTACCAAGTTTGTGTGAGCTAAGCCTCTC
AGCAGAGTAGAGCAGCTTTCACAGTGCCTGCTGATTCACAGCCCCCTATAATAAGTCAT
GGGGCTGTCTGAGAGGTTGGAGAAATGAGATGGAAGACATAATGATCACCCCAAATTT
TCAACCTTTTAGAGGGGAAGTTCTGTCTGATGATCTTATTTTTTTTTTAATTATCACATGA
AACTCGTTATTTGGTTGTGGCACTTCTATGGGATGTTAGAGCACTCATTTGGGAGTCAGG

251180 CTCCACAGCCTTCCCCATTGTTACATAAGCAAAGGCAAGATCTAGTTAAGAAAGAACCTT
CCAGCTCAGTAAGTAGTGCCTGAAGGCTTACTTAGTGTGTGACAGTTTAAAGGATATCAGG
CAAATGACTTTGTCTCTCTCTATGAAGAAGTTGGGTGGCAACACACCTGCTGATCATG
CTGCCATCCTTCTCCAAGTTCTCTAAACTGGGGGCCCTGGGGCTTTGTAAAGTATTAATAT
ATGCCATGTCAGGCATAGAGTAGACCTAGCACAGTGGTCAGAAGGGAAGATGCAGGGGG
[C, A]
AAGCTGCTGGGATTTATATCCCTCCTTGCCACTGACTAATATGTGTCTTGGACAAGTTA
ACCAAACCTTTTGGGCCCTCAGATTTCTCATCTGTGAAGTGGGACTAATAATGATTTTTCG

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262224 ACGGAGTTTCTACTCTTGTTGCCCAGGCTGGAGTGCAATGGGGTGATCTAGGCTCACCACA
GCCTCCGCCCTCCAGGTTCAAGCGATTCTCCTGCCTCAGCCTCCTGAGTACCTAGGATTA
TAGGCATGCACCACCGTGCTGGCTAATTTTGTATTTTGTAGTAGAGATGGGGTTTCTCCA
TGTAGGTCTGACTTGTCTCGAACTCCCGACCTCAGGTGATCCACCGCCTTGGCCTCCCA
AAGTGCTGGGATTACAGGCATGAGCCACCGCGCCCCGCCTATATGGTATGCATTTCTGTG
{T,C}
TAATCTTACTCTTAGATTATGACTTTCCTGACTTTATTTTTCTCTACCCTGATTTCAAC
TAATTAGTTTAAATGTTTGTATAGTATAATATATGTTCTTTTAGGCTTCCTCAAATGCTT
TGTGAAATCGAAGGGTAGATAGTAATAAATAAATTGCAGAACTATAAACCGGAGATTAAA
AACATTCTTTCCCTCCCGATTAAAGCTACTCATCAGAAGTTCATCAGAAAAATCAGGT
GTATTAGTCTGCTCGGGTTGCCATAACAAAGTACCATAACCAAGTTGCTTAAACAACAGA

263740 CACCAGCAGTTAAAACACAGGGCCTTTGATTGAAGCAGACAACTGAGTGAGTTTTCCAGG
AGGTCTGAAGAAAGCCAACTCATTATCCAGGTCTCTGAACAGACAAATAATTATGAGACA
CTGAAATGTATTTTCCCATGCAAGTCAGAAATGGCTCAGCCTCTGTTTTGCACTGTTAAT
TACACTATTGGGCAGAGCCCTGTTACAGTTCTTGGTCATAGACTTACCCTTGATGCCTGG
CAGCATGGGTAGGAACTGAGCTAATGTGTGGTCTGACTTACATCAAATGTGTGCACC
[C, T]
TCACCAGTGTGAGGTCAAAAATGAGAGGCAAGAGGAATTTTCAGACATAGCAGGAGTGCCT
CTGCTGTTGTATCAGCTCGTAAGAGAAAAGAAGGCAGAATTATTTTGCCTGTATTTTGT
CAGCAGCAATGTTCTGATCTCAAGAAATTTGTGATGTTCTCCATGGTGAAAATCAGTGAAC
TAGCTGAGACTTGAGAGAAGCAGGGAGAATGCAGCTTACATAAGCCCAGGCTGCTACCCA
GGTCAGGGGTTCTGTCTCCTTTGTCTCTTGCCAAAGTCATTGTTGACTAGACAATTGTCA

283403 TGGATGTTGAGTAAATTAAGGAAGTGGGTCTTTTGCCAGACAGCCTGAAGAATTCTATAA
ATAAACTACCTTTTGTTCAGAAATAAGAGGGTAAAACATTTTATTTTAAAAGGCCTT
GAGCTCAGGAGCTTGAGATCAACCTAGACAGCATAGCAAGAGTCATTCTTACTAAAAAT
AAAAGACAAATTAATCAAGCTTGGTGGCACATGCCTGTAGTCCCAGCTACTCAGGAGGC
TGAGGCAGGAGGATCGGTTGAGCTTGAGAGAGTGAAGCTGCAGTAAGCTATGATCATGCC
[A, C]
CTGCACTCCAGCCTGGGTGAGAGAATGAGACCATGTTTAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAACAACCTGTAGATATGATTACATGATTTCTTATTGCATTTTTCTAT
CGAAAAAAAAAGACACATGATTTAGACAGGATTCATTGGTTCACTGCCGATTCCCCAGCAC
AAAGTTCACTGCTCAATAAATAGCTGTTGGGTGAGTGAATAGATGAATGAATGAATATG
AGGTCATAAAAAGTATTTATCTCTATTGTACCCTTGAGTCTCCAAAAGTTTGCTCACTA

285709 TGGGTAACGTATCTTAGGAAAATGTTAGAACCTGCCATAGTTACCAGGTATATATAGAAA
AGCTCGGAAGGCAACCAGGCCACAGTCACCCAAGAAGACATGGGTTTTGTCCATAAAAT
TGAATTGTCCAGAGAGGGCATGTAAAGCCAAAATGGGGAAGGTTGGAGTTGGATGAGGA
TGTGTCATTGCCCTGAGATGTTAGGAGCACGGTCTTTAAGTCAGGGAGACTTGGACTCC
GATTTTTCTTGCCACTAAACAATTTTATGATCTTGGGCAGGTTGCTTTACCTCTTCAAGG
[T, A]
TTAATTTAGTCATCTATAAAATGTGGATAACAATGCCTGCTTTCCAGGGTTGAAATAATT
AGATAACACGTTAAGTGATTAGCATAATGGACTCATGGAAAGCCATGACCTGGGGCAAT
GGGGGAGTGAGGGTGGGATAATCATTGTAGACATGAGCCATTTTACAGATGAAACAAGT
ATCTTCTAAGCTTCAACATATGTACAGAGAAGACCTAGAATCCAAATTTCTTGAGAACTA
GTCAGGCAATTTATGTATAGTGTGGGTACCAGGGTGAGTGTGGGCTCCAGGGCTCCTTC

288934 TTTCTGACTCTAGTCTTTCATGTTGTATATTACATCTTTAGACTATTTCATCTACCTGCAA
CTGTGTATGCTTTGACTTACATCTTCCCATTTAATCCCTCCCCCAACAGCCACCATTCT
ATTCCTCTGTTTCTATGTGCTGTATGCAATCTGTTTCTTTTTTTAGATTCCGATCATGCA
GTATTTTTCTTCTGTGTCCTGGCTTATTTCACTTAGCACAATGTCCTCTAAGTTTCATCCA
CGCTGTCAAGTGAGGAGGATCTCCTCTTTTAAAGCTGAATAATATTCCTGTGTGTGTG
[-, T]
GTGTGTGTGTGTGTGTGTGTATTTCATCCATCAGTAAACACAGGTTGTTTCTATATCTTGC
CATGCTTCTTTTTTTTTTTTCTTCACTTTTAAAGTCCGGGGTACATGTGCAGGATGTGC
AGGTTTGTACACAGGTAACATGTGCCATGGTGGTTTGTGTCACAGATCATCCCATCAT
CCAGGTATTAAGCCCAGCATCCATTAGTTATTTTTCTGATGCTATCCCTCCCCACCAA
CCCCGACAGGCCCCAGTGTGTGTTGTTCCACCCCTGTGTCCATGTATTCTCATTATTCG

288954 GTTGTATATTACATCTTTAGACTATTTCATCTACCTGCAACTGTGTATGCTTTGACTTAC
ATCTTCCCATTTAATCCCTCCCCCAACAGCCACCATTCTATTCTCTGTTTCTATGTGCT
GTATGCAATCTGTTTCTTTTCTTTTAGATTCCGATCATGCAGTATTTTCTTCTGTGTCT
GGCTTATTTCACTTAGCACAATGTCTCTAAGTTCATCCACGCTGTCAAGTGGCAGGA
TCTCCTCTTTTTAAAGCTGAATAATATTCCTGTGTGTGTGTGTGTGTGTGTGTGTGTG
[-, T]
ATTCATCCATCAGTAAACACAGGTTGTTTCTATATCTTGCCATGCTTCTTTTTTTTTTT
CTTCAACTTTTAAAGTTCCGGGGTACATGTGCAGGATGTGCAGGTTTGTACACAGGTAA
CATGTGCCATGGTGGTTTGTGTCACAGATCATCCCATCATCCAGGTATTAAGCCCAGCAT
CCATTAGTTATTTTTCTGATGCTATCCCTCCCCACCAACCCCGACAGGCCCCAGTGT
GTGTTGTTCCACCCCTGTGTCCATGTATTCTCATTATTCGGCTTCCACTTGTAAAGTGAGA

292710 TGCCAAATTGATTTCCATACTCCACAAAGATTTTTAATATAATCAATTTTTCTAATGTG
ACTTGTTATTTAAAGTCATTTATTTAACAACTTTTACATTTGAAAGAAAATACTTATTA

FIGURE 3, page 137 of 141

ATGCCTACTGTGTGCTAAGCTCCCTTGGCACTCACTAGGCACATCATTACAAATAAGCAT
GATTCTACTTTACTACTCAAAGTGTGATATTGGGCTGGTATGGGAAAAACAGACATTGA
AACACACAATTACACTGTGATGCAGTTCAGGCTGTCATAGAATTATGCCAGAGTGCCAT
[G, A]
GAGACTCAGCATGCTTATAGTATGATTGTAATAATTAACCAAAAAGGGACTACTTTGCTT
TGAAATATTCAAATACTCTCCACCTTCCAAGTAGAGTGGTGGTAACCTGGTGGTGGGTC
TGTAGGGGAAATATCTTCTCTTCTTACTCCTATCAGAGTTTACCTGACTGTGACAAGGAA
GTAGAAAAGAACTTGCCCTAATTTTTGGTGTCAAAGTCTAGCACCATTATATCTACCT
TTCTTTCACACATGCAAAAAATAATCTCCTTCAAGGACACATACATTATCTCTGAATCT

295600 TCACAATAGCAAAGACATGGAATCAACCTAGGTGCTCATCAGTGGGGGACTGGATAAAGA
AAATGTGGTAAATATACACCATGGAATATGCTGCAGCCATAAAAAAGAATGTAATCATGT
CCTTTGCAAGCAACATGGATGCAGCTGGAGACCATTATTCTAAGCAAATTATGTAGGAAC
AGAAACCAGATACACATGTTGTCACTTATAGGCAATGAAGACCACTAGAGGAGGGAGGA
AGAGAAGGGGAAAGTGTGAAAACTGTGAGTACTATGCTTGTCTATCTGGGTGATCGGG
[G, A, C]
CATTATATCCCAAACCTCAGCATCACACAATATACAGTATACCCATGTAACAAACCTGC
ACATGTATGCATGCCCCAAATCTAAAATAAAGTTGCAATTATATTTTTAAAAAGCTAGT
TCATAGTTGTAACTACTTTCTAGAGTCTTGCTACTATAAATGTAATCACTGCTCAACATC
ACTAATCATCAGAGAAATGCAAAACCAGAGCCTGTGTTTCTCGAACTCTAATGTGTATATG
AAGAACTTGGGGTCTCATTAATGCAGATTGTGATTAGTAGGTCTGAGGAGGGGTGAGAG

295679 CATGGAATATGCTGCAGCCATAAAAAAGAATGTAATCATGTCTCTTTGCAGCAACATGGAT
GCAGCTGGAGACCATTATTCTAAGCAAATTATTGTAGGAACAGAAACCAGATACCACATG
TTGTCACTTATAGGCAATGAAGACCACTAGAGGAGGGAGGAAGAGAAGGGGAAAGTGTG
AAAACTGTTGAGTACTATGCTTGTCTATCTGGGTGATCGGGCCATTATATCCCAAACCT
CAGCATCACACAATATACAGTATACCCATGTAACAAACCTGCACATGTATGCATGCCCC
[T, C, A]
AATCTAAAATAAAGTTGCAATTATATTTTTAAAAAGCTAGTTCTAGTTGTAAGTACTTT
CTAGAGTCTTGCTACTATAAATGTAATCACTGCTCAACATCACTAATCATCAGAGAAATG
CAAACCAGAGCCTGTGTTTCTCGAACTCTAATGTGTATATGAAGAACTTGGGGTCTCATT
AAATGCAGATTGTGATTAGTAGGTCTGAGGAGGGGTGAGAGATTCTGCATGTCTAAGCAG
CTCACATGTGATGCAATGCTGCTGGTGGGATCACGTTTCTTGGAGCTTCAGCAGAGCAT

296323 ACCCTGTGGGTACATACTGAGCACTGATGAAGAGGCCCCCGCTCCCCTTCATTGTCCTT
GCTCTCTCCTTTGTTGAATCTTCTCTTGTAAAATGGGATTAACAAACCCATGTAGAGA
GTCCACTGAATGGCAGAACCTTAGACTTTCCAGTTAGAGGAAACTTTGGAGATTATATGA
TCTAACTTGTTCCTCTCTCCCTGCATCACATCTTATGTCTGAAAGCCCATGCCTGAGAT
CCTACTCACTGAGTGTGCAGTTGTTATTCTCATCTCATTCCATCAGACCTAAGAAAGCTT
[T, G]
GCAGAATAAGGGCCTCTTGCAAAATGTTTCAAATACGTGGAAGTAGCTAGGACAAACAAA
CAAAACCATGTGCAAAAATCACTCAGCAAAACCCACCTTAACGAGGAATTTTCTCTTTTG
GCTTCAGAAAGCAATTAAAAAACTCAGCATTCTTAGGCAAAAAGCTTTAGCAGTTCCCTT
CTTGTCTTTTCTCACCACAGCAGGTGCTAAAGCACAGCTCAGTCTTGATTATCCCTTCT
GTCAGAGCAGGTGTGAGCTCAATTATTGTTTTGCAAATTCATTTCAGTCATTTAATGC

299119 AATATAACAACCTTATGATAAAGTTGGGATAATCATAAAAAGAGATTGCATACATTTGTT
TGCAATTAGGAACAGTCACCATAATTTAGTGGTAGCAAAGCTAATGTGAATTTGAAATC
TTCTTACTACCTGTCTGCAATTACAATGTACAAACATCAAAAAACAAAACAAACTTCC
AGTGTACACACTGGTGAAAGAACCAGTGTAGATACCAGTCTCGAGTTGTTACTACTTA
ATTGCTATTGTTATTTATTTAAAATTTATACTGTGTGAGAAAAGTGTATGAAAACATA
[C, T]
AGTTAGCTAAAAAGTTGTGATTGGATGCCAGATTGATAAATGAGCAGTTTACTCTGCAAA
TAAGTGCAAACTCAGCTATGAGCTTTTCAAGTGGTCTAGACAACAAGAGAAACCTGCCTAC
TAGTTTCTTAGTAGACAACCTTATGATAAAGTTGGAATTGTGATGAAAAGACATTGCACA
CATTTGTTTGTGTTGTAGATTAGAAACAGAAGCTCTAATCTACAACCTCTCAGTAGGAGAGC
TGGATTTTTCTTGGCTCTAAATTTTGGGGAAGAATTAATCACAAGAATCCTTATGTAATG

300404 TTTTGGGAAAGTGATTAAGTTCATGAGGGCAGAGCCCTCAGGAATGGATTAATACCTTTAC
AAAAGAGGTCTCAGAGAGATAATTGCCCTTTTGGCCGTCTAAGCTTTCTTCCCCTCCA
GAGGACACAGCAAAAAAGTGCCATCTTGAAGCAGAGGGAGCAGCTCCCACCAGACAGCA
AATCTGCTAGCACCTTGACCTGGACCTTGGACTTCCAGCCTCCAGAATCTGAGAAATA
AATCTAATATTATATAAATTACCTCTTCCATAGTATTTAAGCAGCACAAAGCAAACTAAGA

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[T, G]
GCCCTGCTTACCTGGGATTCCACAAGTCTCTGCCAGATGGCCCCAAGCCATTCTCTACA
GTCTGTGAGCCTCTGCCTTGGTTCCCTTTGTCTGTATTGTGAGTTTGCAGACCCCTGGGA
AGCCCAAGGGTGGTCACACAGTGGCTGTTTGCAGAAGGTATGGATAAATATTAGACATAA
GGGCTGCAGTATCATATGTGTACAAGAACTTCTCTCAATGGGAGTTGGAGCCAGGCTGA
GAAGAGACGGGCACAGGCCAGGAGACAGGGATCAGGGACCCAAGGGCTGGCTTGCACAGC

303906 GTCTGGAGTTTtaggagagaagTGACAAGTGCATATTTGAGAACCAACAGTTTAAGGGAGG
ATTTAAAGTCATGAACTAGATGACCCACCTTGGGAGAGAATGTGGATAGAGGACAGAAG
AAGTCTAGGGATCAGGGAGATATGGAGGAACAAGCATAGTCAAATCAGAGAAGATCATTT
TGGGGAAAATATTGGAGGACCTTGTTAAGTTTCTTGGAGTCTTCTTCCAATTTCTTAAAA
TTTAAATCATCCTATTTGAAGAGTCTGTCAATCATTTGTTACTGATTTTTTCAGTTTTTTGGT
[G, A]
ATTGACCTAATGCTCAGATCCTTTCTTATCAATGACAGCACAAAGATTCCAACATGGTTTT
CTTCACATAGTCCATTTTGTGTGCTGTAACAGAACACCACAATCTGAGTAATTTATAAA
GAAAATAAATTTGTTTCTCACAGTTCTGGAGGCTGGGAAGTCAAATATCAAGGTGCCAGC
ATCTGGTAAGGGCCATCTTGCTACATCATCCCATGGCAGAAGTCGGAAGGGCAAGAGAGA
GGGGAAGAGAGAAGGAAGGGGGGGGGGCAAAATCATCCTTTTATCAGGAACCCACTCC

304170 CTGTCACTATTGTTACTGATTTTTTCAGTTTTTTGGTGATTGACCTAATGCTCAGATCCTT
TCTTATCAATGACAGCACAAAGATTCCAACATGGTTTTCTTCACATAGTCCATTTGTGTT
GCTGTAACAGAACACCACAATCTGAGTAATTTATAAAGAAAATAAATTTGTTTCTCACAG
TTCTGGAGGCTGGGAAGTCAAATATCAAGGTGCCAGCATCTGGTAAGGGCCATCTTGCTA
CATCATCCCATGGCAGAAGTCGGAAGGGCAAGAGAGAGGGGAAAAGAGAGAAGGAAGGGG
[-, G]
GGGGGCAAAATCATCCTTTTATCAGGAACCCACTCCTACAATAACTAACCACTCCCATAA
TAACAGCATTAAATCCATTCTATAAGGCAGAGCCCTCAAGACCAAATTAATCTTACAGGTC
CCACCTCTTAACACTGCTGCAATGGGAATTAAGTTTCCAACACATGAACCTTGGGGGACA
CATTCTATGCACTATGTGACATCCTGCATCTGCAAGTTTTCAGTGCCATTTTAATGAAGT
CAGTTTACTTTGCACTTGCACCTTGTGTTTACCCTGTACAGCTCACCGGTAACAGAACT

304657 TGCATATGTGACATCCTGCATCTGCAAGTTTTGCAGTGCCATTTTAATGAAGTCAGTTT
ACTTTGCACTTGCACCTTGTGTTTACCCTGTACAGCTCACCGGTAACAGAACTCTAGT
GTGATGGACAGAGATAGAACTAGCATTAGCAAAAGAGGCAGTTTTTCAGGGTGGACTAAT
TTTATACACAACCATTTATCAGTAGATATTTTTAAGTTCTGATGCTTTAAAAATCCTTGT
AAATTTGGGGGCTTGAGTAATGAATATTAGATGATAATGACCTTCCGGGTATCCATTA
[C, T]
CATTAGCAATGTCTCCAGTTTGTAAAGAATTAATAGATATTAAAAATCAGAAGGAGGGCA
GCCAAGATGGCCGAATAGGAACAGCTCTGGTCTACACCTCCCAGCGTGAGCGACGCAGAA
TACGGGTGATTTCTGCATTTCCATCTGAGGTACCAGGTTTCTACTAGGGAGTGCCAG
ACAGTGGGCGCAGGACAGTGGGTGCAGCGCACCGTGCGTGAGCCGAAGCAGGGCGAGCAA
GGCATTGCCTCACTCGGGAAGCGCAAGGGGTGAGGGAGTTCCCTTTCTAGTCAAGAAA

304771 CTTAGTGTGATGGACAGAGATAGAACTAGCATTAGCAAAAGAGGCAGTTTTTCAGGGTGG
ACTAATTTTATACACAACCATTTATCAGTAGATATTTTTAAGTTCTGATGCTTTAAAAAT
CCTTGTAATTTGGGGGCTTGAGTAATGAATATTAGATGATAATGACCTTCCGGGTATCC
ATTAAACCATTAGCAATGTCTCCAGTTTGTAAAGAATTAATAGATATTAAAAATCAGAAG
GAGGGCAGCCAAGATGGCCGAATAGGAACAGCTCTGGTCTACACCTCCCAGCGTGAGCGA
[C, T]
GCAGAATACGGGTGATTTCTGCATTTCCATCTGAGGTACCAGGTTTCTCTACTAGGGAG
TGCCAGACAGTGGGCGCAGGACAGTGGGTGCAGCGCACCGTGCGTGAGCCGAAGCAGGGC
GAGCAAGGCATTGCCTCACTCGGGAAGCGCAAGGGGTGAGGGAGTTCCCTTTCTAGTCA
AAGAAAGGGGTGACAGACGGCACCTGGAAAATCGGGTCACTCCCACCTAATACTGCGCT
TTTCCGACGGGCTTAAAAAACGGTGCATAGGAGATTATATCCACAACCTGGCTCGGAGG

312311 TATGACATTCTGAAAAGGCAAACTGAAGGAACAAAAACAGGTCAAGTTATACCAAGGG
GTGGAGGGAGGACTTGGTTACAAAAGGATATGAGGGAATTCTGGAGTGTGATGAAATTGC
TCTGTATCTCAGTTGAGGTGTGAGTTAGATGGCTGAATGAGTTTATCCAACTCATAGAG
CTGTACATTCAAAGAAGAAATTTTGTATATATATTTTTTTATCAATTTAAAAATATA
TAAAAATAAAGAGGGAATCCCAAAGATGAAATAAAAAACAAACATTCTGGGACTTAA
[G, T, C]
AGACTCTTTGAAAAACAAGTTTTCTTCTATTTTCCCCTCCTTTCCCTGAGAAAGAATTAC
TCATGATTGAAAGCCCTTAAAAAGAATTGCTTACTCAGATATTATTTTAAAAGGAGTG

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AAATTCATGACTCACAAAGTGTCTATTTTCTTCTGGCTTTAAGTCATTTTTTACTTCAT
TTTTTCAACAAATAATTATCGATCACCTATAAGCAAAGAATGTCTTCCTGAGCTCTCACT
TATAATTGAACATTTAGAGCTGAAGGAATCCTTAGAAATCAGTTAGTCTACATTGCAGAT

313434 ATCCTTTAGGCTAATACATAAAAGGATGGATGACCAGAGGGTAAGAGCTGGTAAATCCCCA
AAGGCGTGAGCAATGCAAATTGAGGGACATTCTAGCATCCAGATCATTGAAGGAACTAA
AGAGACATGACAAGTAAATGGAACCTCATGATTATTTTGAATGCTTTGTTATCAGGCAGTG
TTATTGGACAATTGGGGGAAATCTGAATGTTTCCATATACAAGATAACAGAATCAGATCT
ATTAATGTGAATTTCTGATTCTGGTGGCAGTTTGTGGTTATGTAGAAGTGTTCCTTATT
[T, C]
GTACAAAATACACACAAAGTATGAGTGGGGGACATTGGGGTAGCAACTTATTCTCAAAG
ACTCAGGGGACAAAATAGTTCTTTATACTATTCTGTAACTTTTCTGTAAAGTATGGGATTC
AAAATTAATAATATTTTAAATATGAGGACATTTTAGATATTATCCTTATAAACTAAG
CAGCTATGGCTGTATTCTTTAGAGCCCTTATTAGATAGAGATAAATAATTAGAGGGTACA
CAGCATAGTCTATAATTGATGGGCAAATAAGTAGATGTGATAAAATGTATTTTTTTATAA

313997 GCAAATAAGTAGATGTGATAAAATGTATTTTTTTTATAAATGAAAGGTAAGCACAGGAAGA
GGTAATAAAGGAATTTGGAGGATGAGAGATTGAGTTTGGAGGAAATGGGCAGGGGAGAGA
AGAAGAGCTTTCTTGGTGTTTAATAGTTTTCATCAGCAAGGGAGTCAGCCAAACACGTA
TTCGGGATGTGACCCCAAGCAGTTCAAATTTTGGAAACATTAGGGAACCTTCCTTCAGGAC
TCCTGTGTCAAGGACCATTATCCAGCCCAACGAGCACTGTCTGAGAGTCTTGAAACCT
[-, G]
GACTCTAGTCCCCTATTTGTCCCCAACTGCCAATTCAATCTTGGGCAAAACAACCTGTAA
ATGAAGTATTTGGACTAAAATGATGTTTGACAATCCCTAAAAAACTTAAAGGCTTTTGT
TTCTTGAAGAAAATGATAAAATTTAGAAAGGAAATGCACCATAGAAAGAAATAGAAAACA
ATGAAAATATAAATCTTTTTTATTTGAGATACCCAGCTAACTAAAGGAATAGTTCCTGCC
ACCCCATGTCCCTCTCTTTGAAAAAGGAAACATAGGAACCTCTTTAATTTGAACAGCACA

322343 CAGTTTCTTCATCTGTAAAATAGGGATTTAAAAAATTGCCTCCTTCGTACAGCTGTTGTA
AAGGTTAAGTGTGATTGAAAGGGCAAAGTGAGTAGAAAAGGACCTGGCAAGTGGCAAACA
AAACTATTCTCCCCCTCATTTTCCCTCCTCCTCCTCATTATTATTTTGTATTATTAA
CTATTTCTGCATTTTATATCCACCATCCTGTTTCCCTTTGTTCTACTAACCAGCCAC
AATAGCTTTCTTGTATTATTTTCCAATATGTTTTAGCCTTAGGGCCAAAATCTTTTGCCC
[T, C]
TAGTATTTGTCTTACTTCCTGAGAGCTTTTGCTCAAATGACACTTCCTCAGAAGGATTTT
CCTGTCCGCCTCACCTGCTTTTCTTCATTGCACTTAGAACCATCTGATATCTTATGTG
TATATGTGATATATACATACGTTTATATAAACACATCTGTGTGTATATCTGTGTATTAT
ATATATATACACACACAAGGGCAGGACTTTGCCTAACTTGTTTACTGCTATATCCCAGT
TCCTTGAAGGGTACCTGGCACATAATAGACATTGAGGCATTATTTGTTGAATACTGTTAA

322893 GGTACCTGGCACATAATAGACATTGAGGCATTATTTGTTGAATACTGTTAAATGTTTAGG
GTGGAGATATTGTGCCTTTTCTTCCCCCTTTTTTCTAAATCCCAGAATGACAATGTTTG
TAAATCAATGATTTAAAGCACATTTTCTGCAAGTGATCTTAA'GTGTAACCTTTTGT
AATCTTTGTAACTTTTTTGACAGATCAGCCATGCAGAAGCTGGGGACAGAAGTATTTGA
AGAGGTCTATAATTACCTCAAGAGAGCAAGGCATCAGAATGCTAGCGAAGCAGAGATCCG
[C, T]
GAGTGTGTTGGAAAAAGTGGTGCCTCAAGCCAGCGACTGTTTTGAAGTGGACCAGCTCCTG
TACTTTGAAGAGCAGTTGCTGATCAGATGGGAAAAGAACCTACTCTCCAGAACCATCTC
TAGGCAACTATCAAAAAGAAGCAGAAGTCAAGTGGACAAATTTATGTGAAAATTCATTT
AACATATAAGCTGAACCTCTATTATGGGGAATGGATACAAAAGCAGAGCTCCATCTTGAC
TTTCAATTCTCATCAGAAGTACTGGCTTCTTTAGAGAGTAGTAAGCATGGCTGCCTATG

322905 ATAATAGACATTGAGGCATTATTTGTTGAATACTGTTAAATGTTTAGGGTGGAGATATTG
TGCCTTTTCTTCCCCCTTTTTTCTAAATCCCAGAATGACAATGTTTGTAAAATCAATGA
TTTAAAGCACATTTTCTGCAAGTGATCTTAATGTGTAACCTTTTGAATCTTTGTAA
CTTTTGTAGAGATCAGCCATGCAGAAGCTGGGGACAGAAGTATTTGAAGAGTCTATAA
TTACCTCAAGAGAGCAAGGCATCAGAATGCTAGCGAAGCAGAGATCCGCGAGTGTGGA
[A, G]
AAAGTGGTGCCTCAAGCCAGCGACTGTTTTGAAGTGGACCAGCTCCTGTACTTTGAAGAG
CAGTTGCTGATCAGATGGGAAAAGAACCTACTCTCCAGAACCATCTCTAGGCAACTATC
AAAAAGAAGCAGAAGTTCAAGTGGACAAATTTATGTGAAAATTCATTTAACATATAAGCT
GAACCTCTATTATGGGGAATGGATACAAAAGCAGAGCTCCATCTTGACTTTCAATTCCTC
ATCAGAAGTACTGGCTTCTTTAGAGAGTAGTAAGCATGGCTGCCATGCTTGGAGTCATA

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TTGGAAGGTGGTATGAGGACTTCCAAGAAGGGTCCAAAGACTTCAAATGCTTCACAGTGA
ATATAAGCAAGTAGTGACTGGGGTGGAGTGGTAGGTGAGTCAGTGTGAATAACTTGAGAG
AACTTAATGGGCTTATTTTAAGGACAAAGGGGCATGGCCACTGTGCCCTAACACTCTATC
CTGTGGCTTCACTTCTATCCCTGCCCAGCAACCAAGGAACCCAGGTGAACCCACAA
TTTCTCTAGTGCTCAAGGGTTATGAACATCACTCTTCTGAGTTCACAACTCCCTTACA
[T,C]
TATAGAGAGGTTTTGGGGGCTGCACAAAACCTTCATTCTGCCTCTTCCCAAAGCTAATGAT
GCCCATTTCTACCCCTCTCTCCCTGCATACTGGAGAATTATTCCTGGCTGGGAGGCTGGGG
GTCAGGAGCATGTCTGTGCTCTCACAGCCCCTGTGTCTGCAGCAGGAAAAGCAGACCTCA
AATACTGCTTCTGGAGTGGGATCTGAGACTTTTCAGAATTGGAACCTTGAGTGTGTTTC
CCAG

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